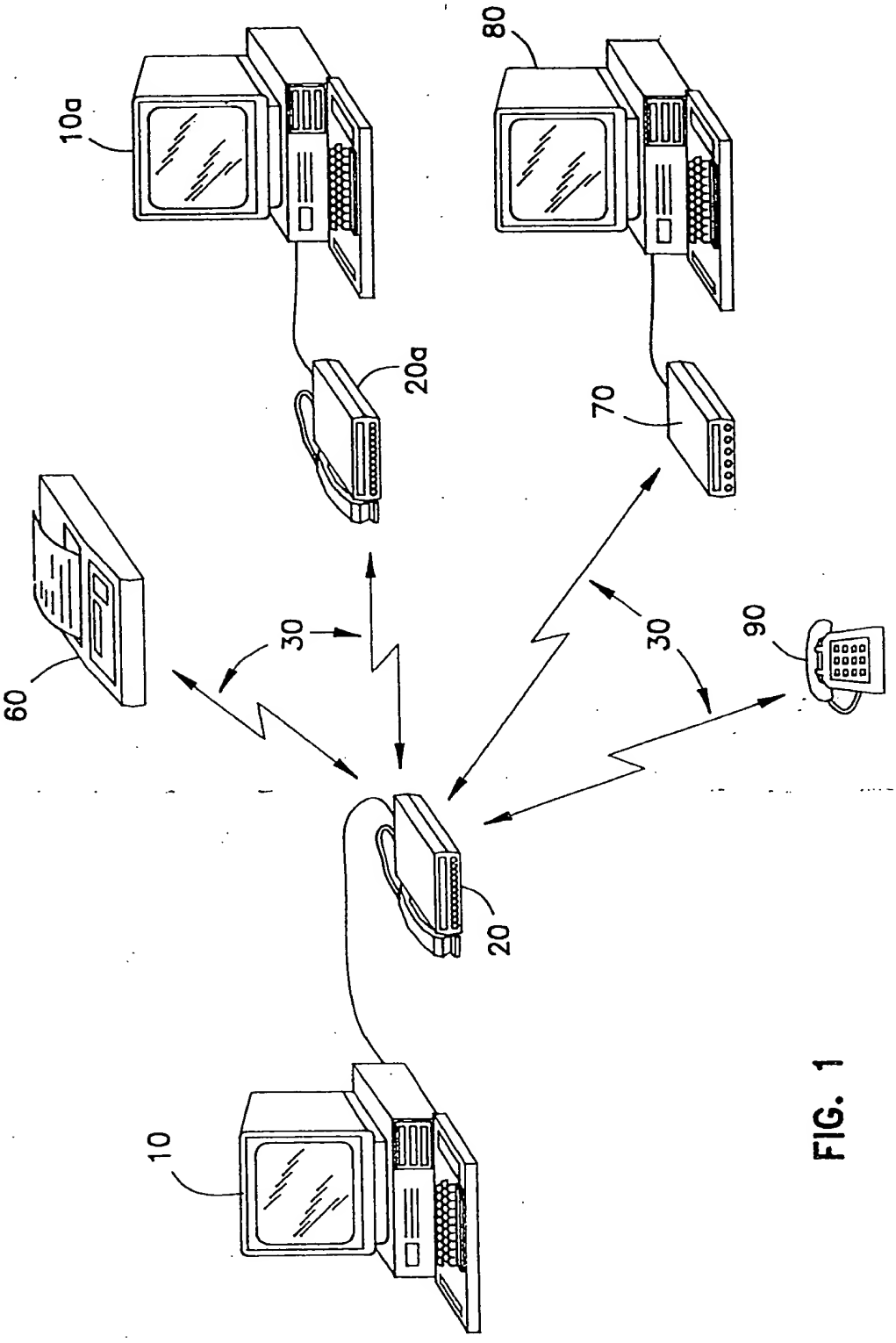


FIG. 1

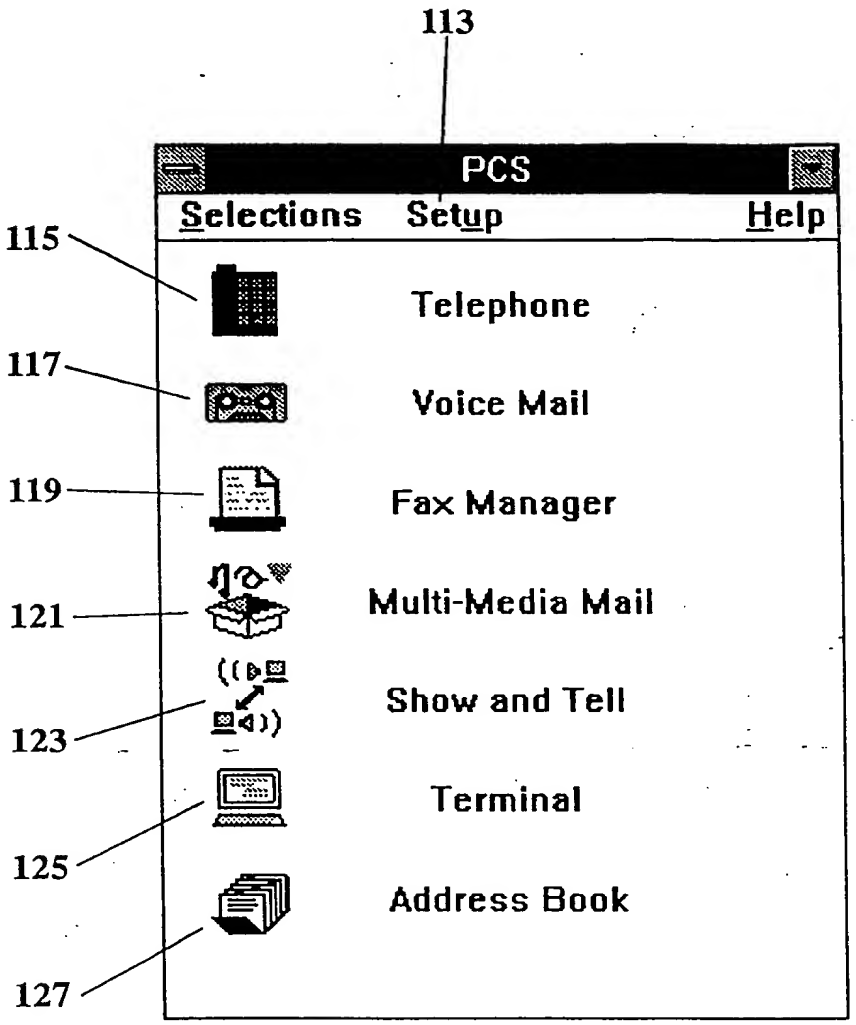

113
PCS
Selections
Setup
Help
115
Telephone
117
Voice Mail
119
Fax Manager
121
Multi-Media Mail
123
Show and Tell
Terminal
125
Address Book
127

Figure 2

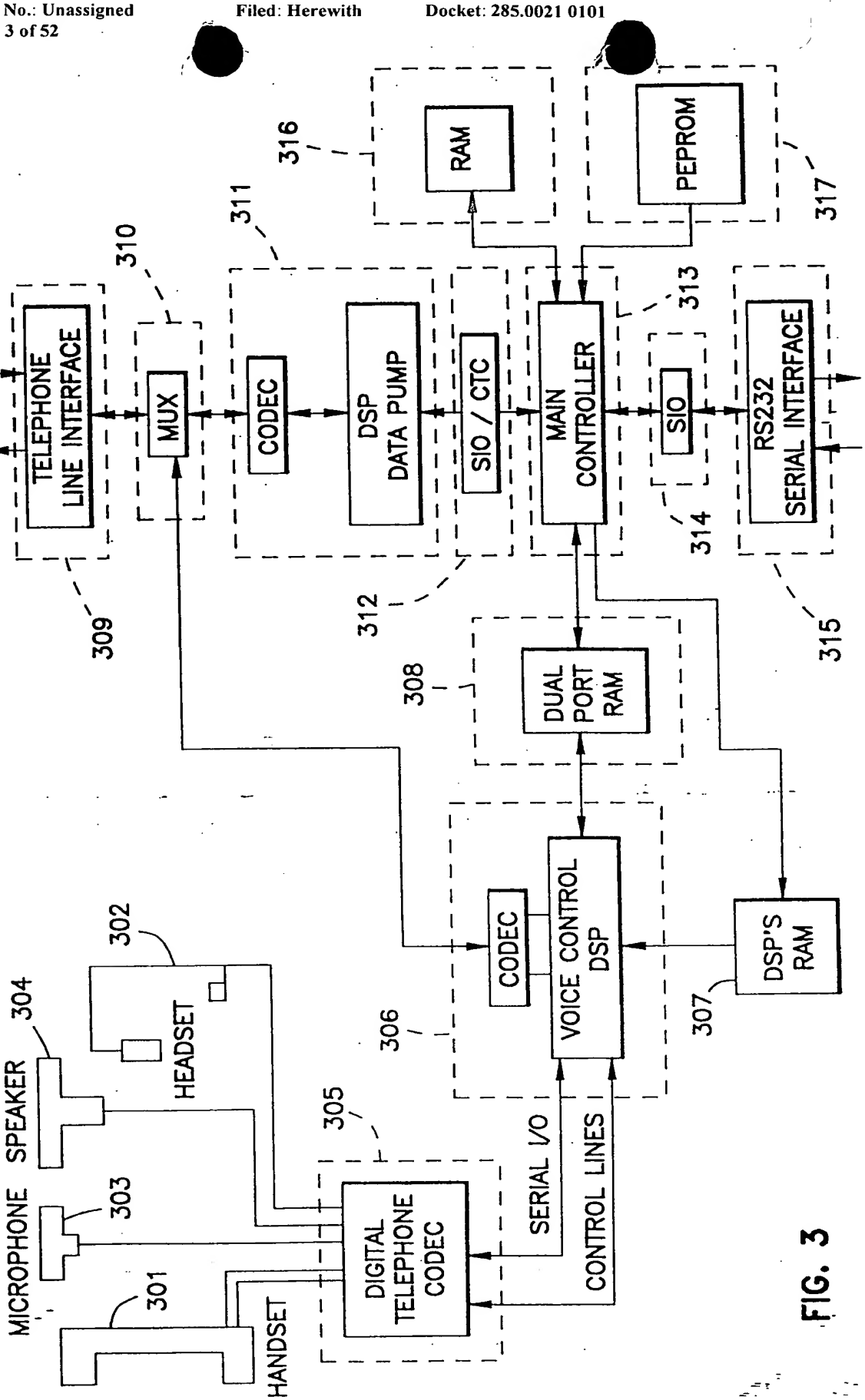

316
RAM
PEPROM
317
311
310
313
TELEPHONE LINE INTERFACE
MUX
CODEC
DSP DATA PUMP
SIO / CTC
MAIN CONTROLLER
SIO
RS232 SERIAL INTERFACE
314
309
312
315
308
DUAL PORT RAM
CODEC
VOICE CONTROL DSP
DSP'S RAM
307
306
302
304
SPEAKER
HEADSET
305
303
MICROPHONE
301
HANDSET
DIGITAL TELEPHONE CODEC
SERIAL I/O
CONTROL LINES

FIG. 3

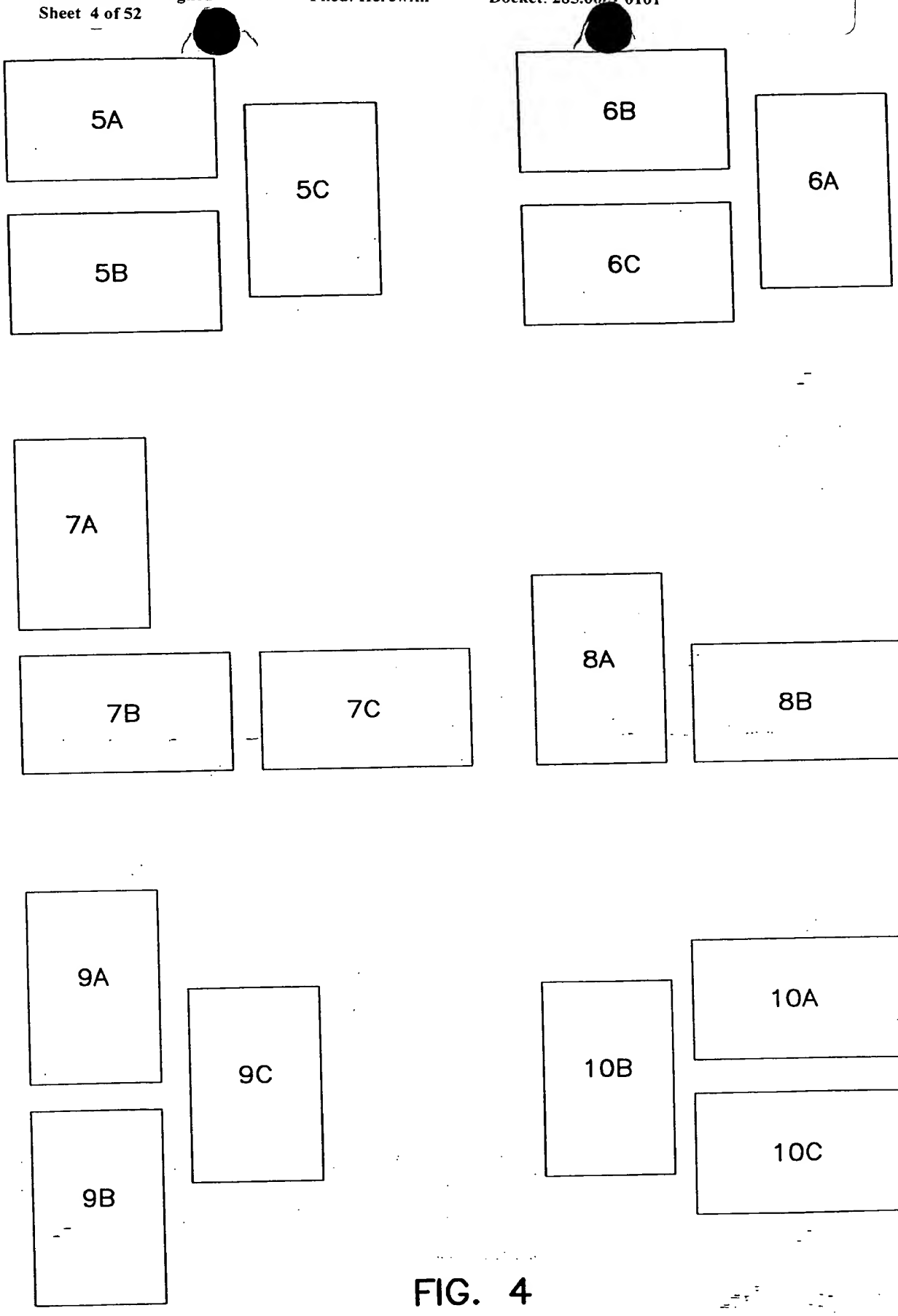


FIG. 4

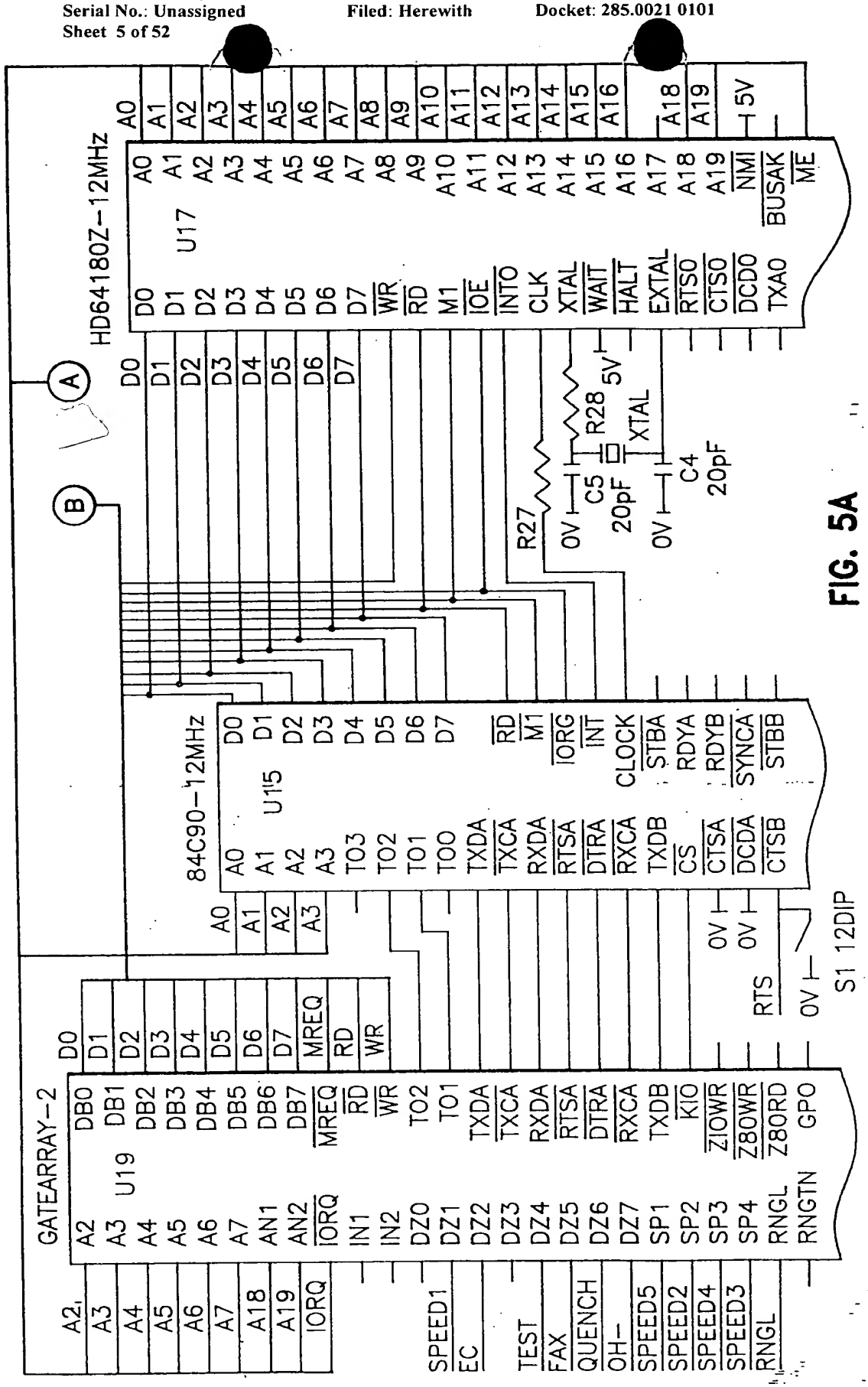

HD64180Z-12MHz
U17
84C90-12MHz
U15
GATEARRAY-2
U19
R27
R28
C5
20pF
C4
20pF
XTAL
5V
0V
S1 12DIP
A
B

FIG. 5A

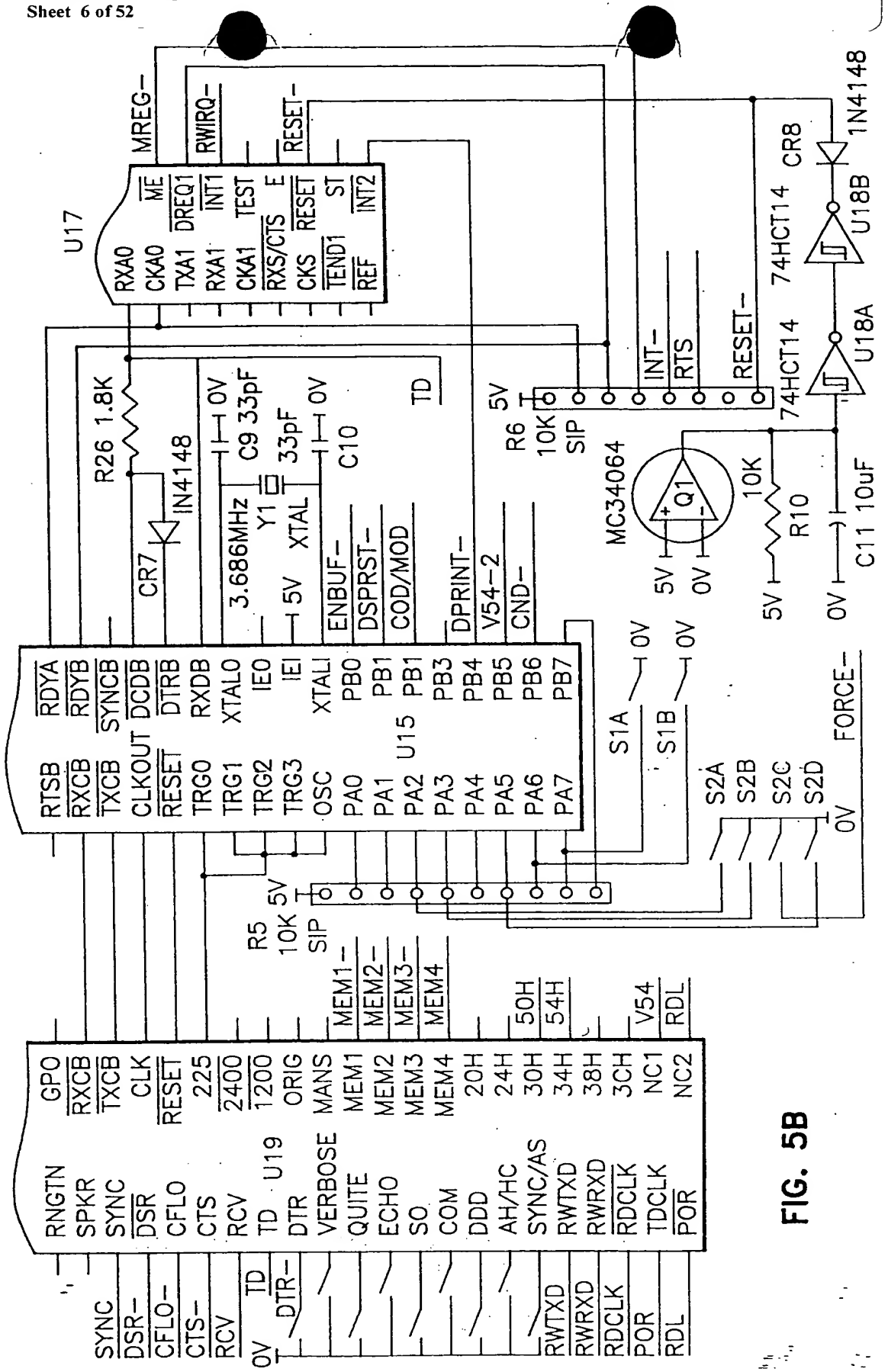

U17
MREG−
RWIRQ−
RESET−
RXA0
CKA0
TXA1
RXA1
CKA1
RXS/CTS
CKS
TEND1
REF
ME
DREQ1
INT1
TEST
E
RESET
ST
INT2
R26 1.8K
IN4148
CR7
3.686MHz
Y1
XTAL
C9 33pF
C10 33pF
ENBUF−
DSPRST−
COD/MOD
DPRINT−
V54−2
CND−
TD
5V
R6 10K SIP
INT−
RTS
RESET−
74HCT14
U18A
U18B
CR8
1N4148
MC34064
Q1
10K
R10
C11 10uF
U15
RDYA
RDYB
SYNCB
DCDB
DTRB
RXDB
XTALO
IE0
IEI
XTALI
PB0
PB1
PB1
PB3
PB4
PB5
PB6
PB7
RTSB
RXCB
TXCB
CLKOUT
RESET
TRG0
TRG1
TRG2
TRG3
OSC
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
S1A
S1B
S2A
S2B
S2C
S2D
FORCE−
R5 10K SIP
MEM1−
MEM2−
MEM3−
MEM4
U19
GPO
RXCB
TXCB
CLK
RESET
225
2400
1200
ORIG
MANS
MEM1
MEM2
MEM3
MEM4
20H
24H
30H
34H
38H
3CH
NC1
NC2
50H
54H
V54
RDL
RNGTN
SPKR
SYNC
DSR
CFLO
CTS
RCV
TD
DTR
VERBOSE
QUITE
ECHO
SO
COM
DDD
AH/HC
SYNC/AS
RWTXD
RWRXD
RDCLK
TDCLK
POR
SYNC
DSR−
CFLO−
CTS−
RCV
TD
DTR−
RWTXD
RWRXD
RDCLK
POR
RDL

FIG. 5B

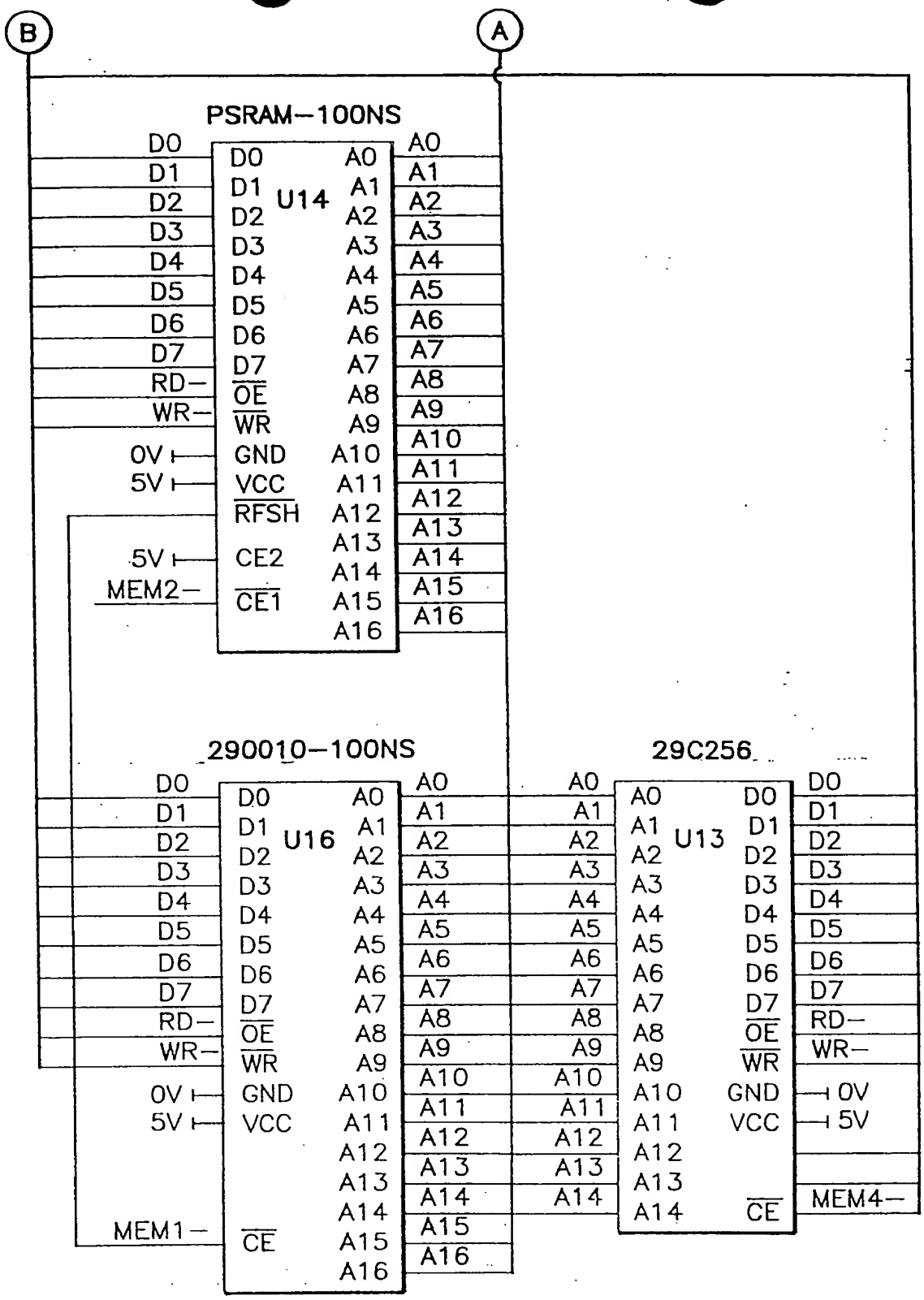

B
A
PSRAM–100NS
U14
D0
D1
D2
D3
D4
D5
D6
D7
RD–
WR–
0V
5V
5V
MEM2–
OE
WR
GND
VCC
RFSH
CE2
CE1
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
290010–100NS
U16
MEM1–
CE
29C256
U13
MEM4–
CE

FIG. 5C

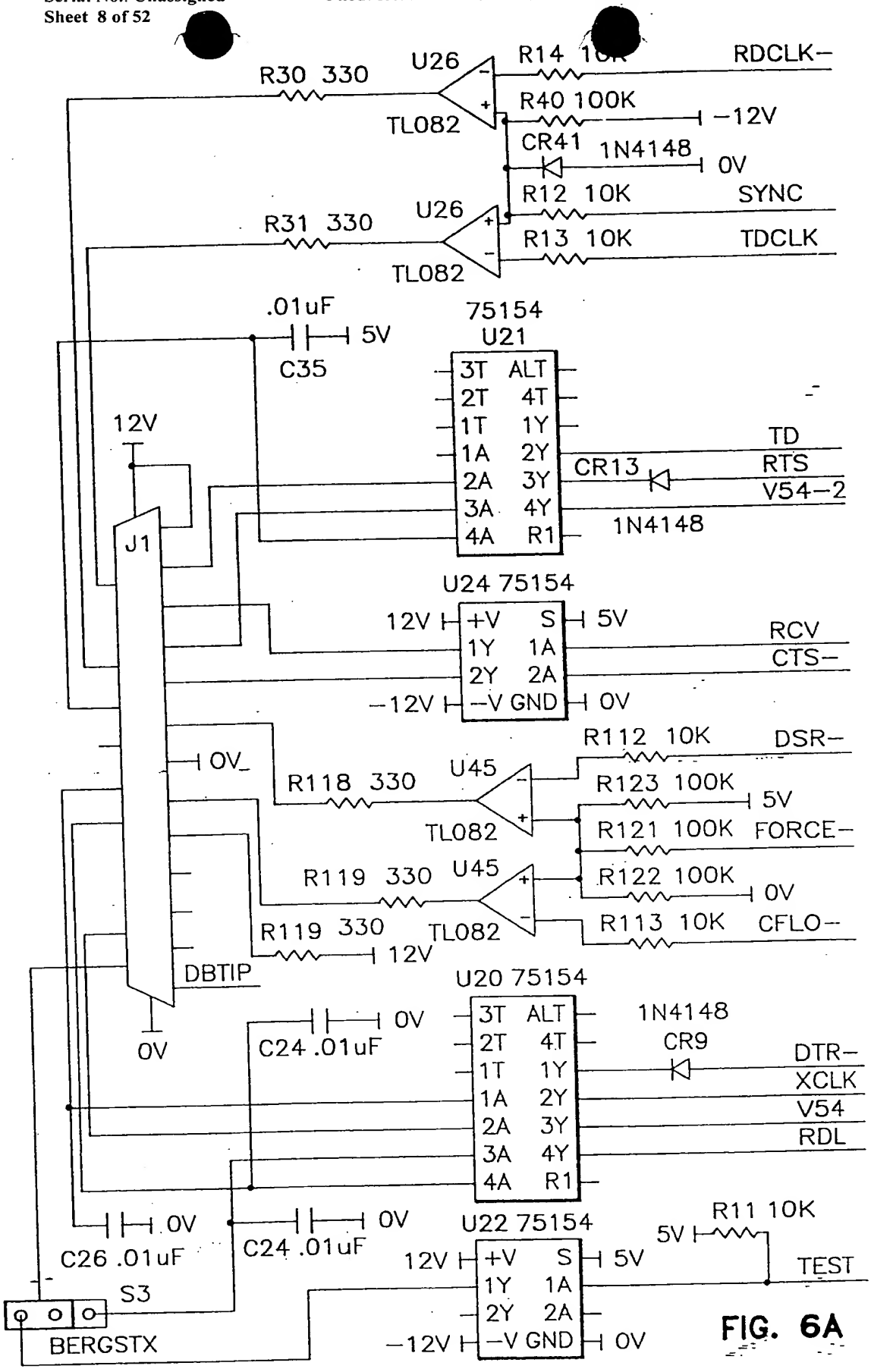

R30 330
U26
TL082
R14 10K
RDCLK–
R40 100K
–12V
CR41
1N4148
0V
R12 10K
SYNC
R31 330
U26
R13 10K
TDCLK
TL082
.01uF
5V
C35
75154
U21
3T ALT
2T 4T
1T 1Y
1A 2Y
2A 3Y
3A 4Y
4A R1
12V
TD
RTS
CR13
V54–2
1N4148
J1
U24 75154
12V
+V S
5V
1Y 1A
2Y 2A
–12V
–V GND
0V
RCV
CTS–
R112 10K
DSR–
0V
R118 330
U45
TL082
R123 100K
5V
R121 100K
FORCE–
R119 330
U45
R122 100K
0V
R119 330
TL082
R113 10K
CFLO–
12V
DBTIP
U20 75154
0V
C24 .01uF
1N4148
CR9
DTR–
XCLK
V54
RDL
0V
C26 .01uF
0V
C24 .01uF
U22 75154
R11 10K
5V
12V
+V S
5V
TEST
1Y 1A
2Y 2A
–12V
–V GND
0V
S3
BERGSTX

FIG. 6A

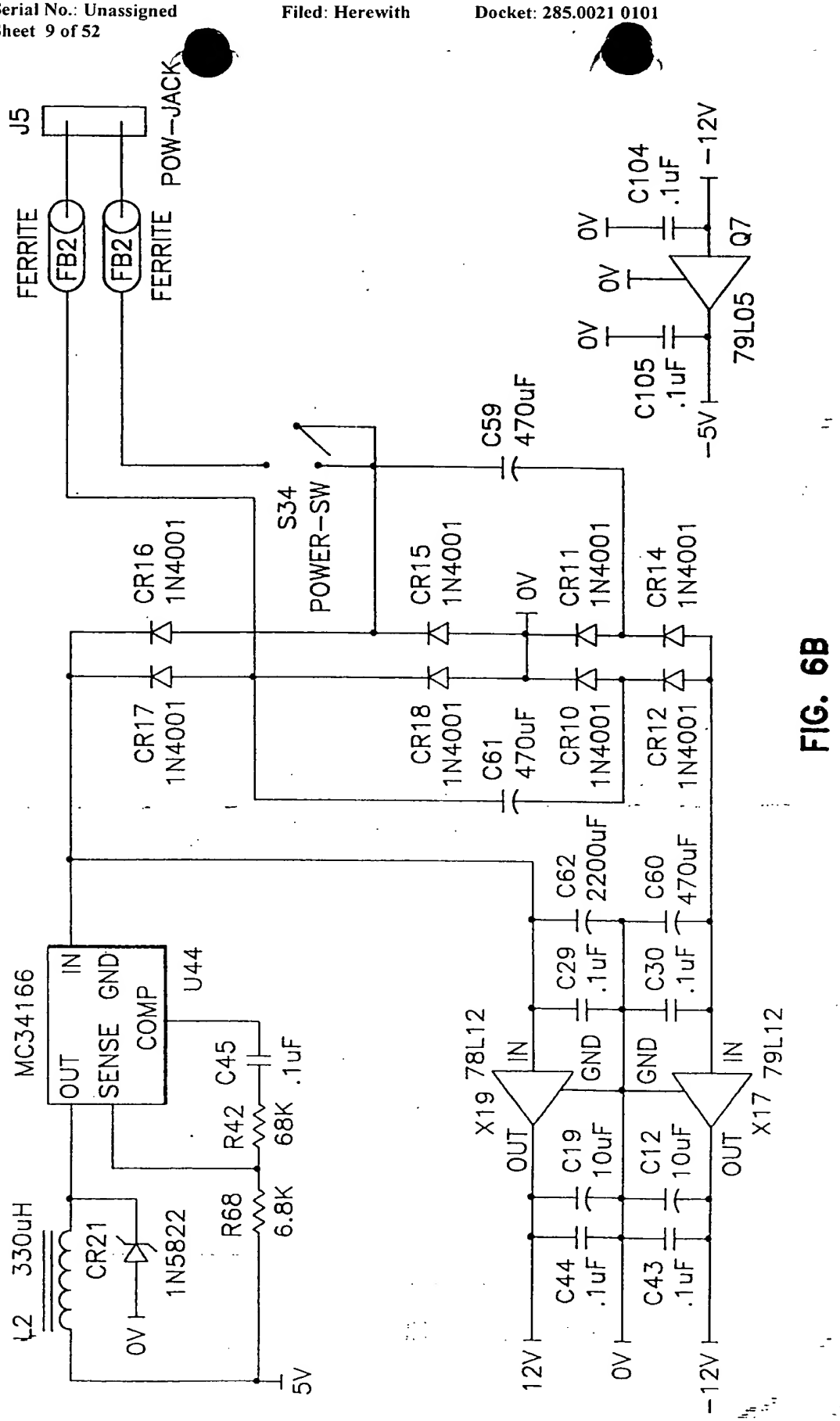

J5
POW-JACK
FERRITE
FB2
FERRITE
FB2
S34
POWER-SW
C59
470uF
C104
.1uF
-12V
Q7
79L05
C105
.1uF
-5V
0V
CR16
1N4001
CR15
1N4001
CR11
1N4001
CR14
1N4001
CR17
1N4001
CR18
1N4001
C61
470uF
CR10
1N4001
CR12
1N4001
C62
2200uF
C60
470uF
MC34166
OUT
SENSE
COMP
IN
GND
U44
R42
68K
C45
.1uF
R68
6.8K
L2
330uH
CR21
1N5822
5V
X19
78L12
C29
.1uF
C30
.1uF
C19
10uF
C12
10uF
C44
.1uF
C43
.1uF
12V
X17
79L12

FIG. 6B

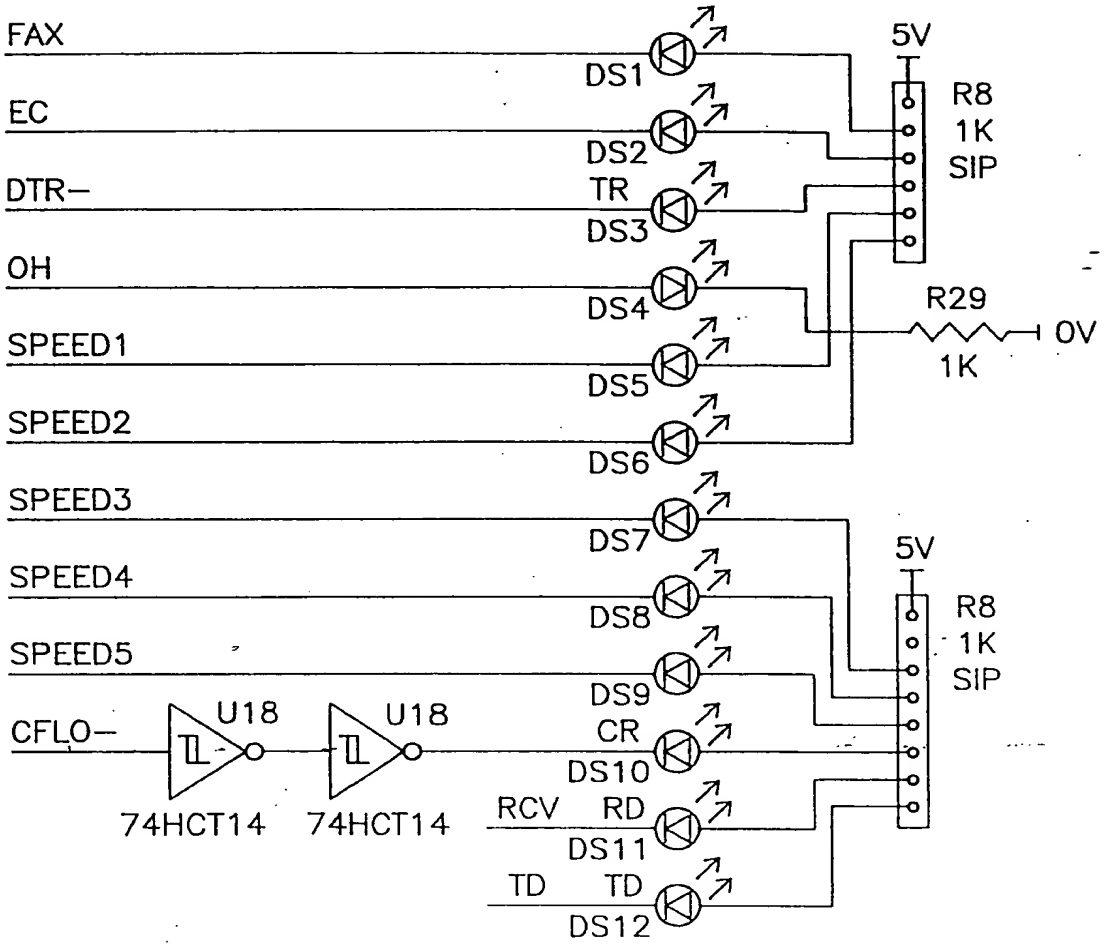

FAX
EC
DTR–
OH
SPEED1
SPEED2
SPEED3
SPEED4
SPEED5
CFLO–
U18
U18
74HCT14
74HCT14
DS1
DS2
TR
DS3
DS4
DS5
DS6
DS7
DS8
DS9
CR
DS10
RCV
RD
DS11
TD
TD
DS12
5V
R8
1K
SIP
R29
1K
0V
5V
R8
1K
SIP

FIG. 6C

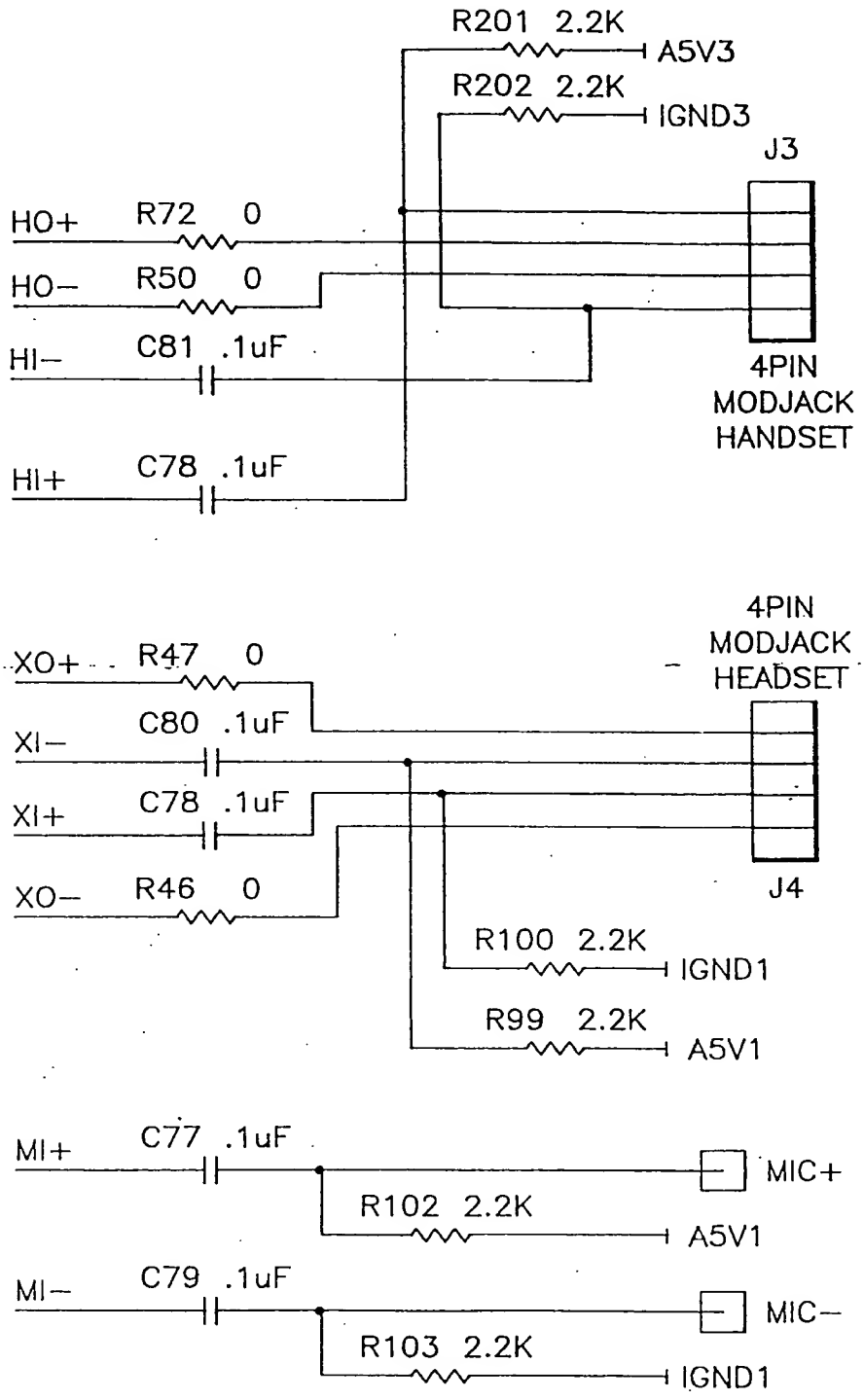
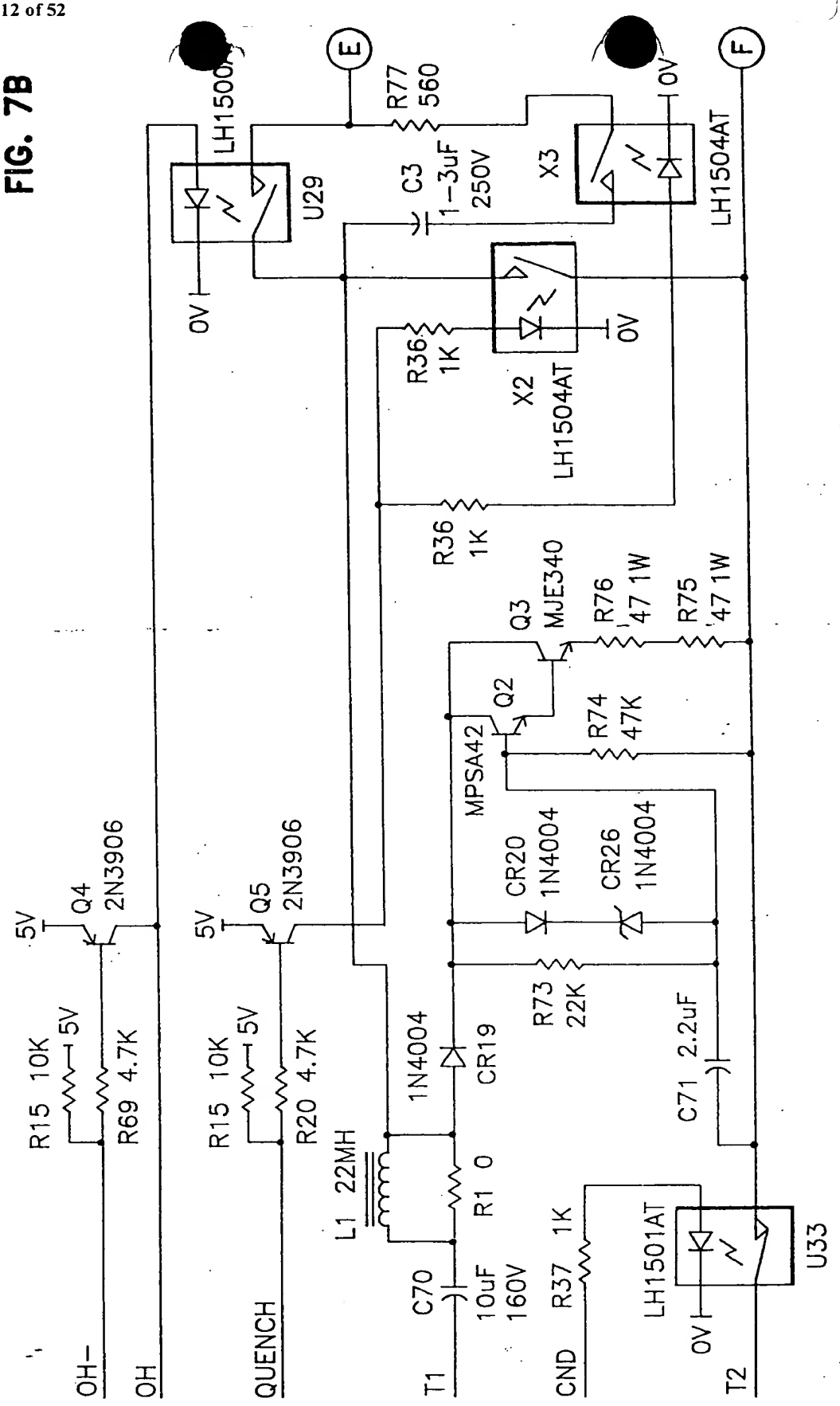

R201 2.2K
A5V3
R202 2.2K
IGND3
J3
HO+
R72 0
HO−
R50 0
HI−
C81 .1uF
HI+
C78 .1uF
4PIN
MODJACK
HANDSET
4PIN
MODJACK
HEADSET
XO+
R47 0
XI−
C80 .1uF
XI+
C78 .1uF
XO−
R46 0
J4
R100 2.2K
IGND1
R99 2.2K
A5V1
MI+
C77 .1uF
MIC+
R102 2.2K
A5V1
MI−
C79 .1uF
MIC−
R103 2.2K
IGND1

FIG. 7A

FIG. 7B


E
F
LH1500
U29
R77 560
C3 1-3uF 250V
X3
LH1504AT
0V
R36 1K
X2 LH1504AT
R36 1K
Q3 MJE340
R76 47 1W
R75 47 1W
Q2
MPSA42
R74 47K
CR20 1N4004
CR26 1N4004
5V
Q4 2N3906
Q5 2N3906
R15 10K
R69 4.7K
R20 4.7K
R73 22K
CR19 1N4004
C71 2.2uF
L1 22MH
R1 0
C70 10uF 160V
R37 1K
LH1501AT
U33
OH-
OH
QUENCH
T1
CND
T2

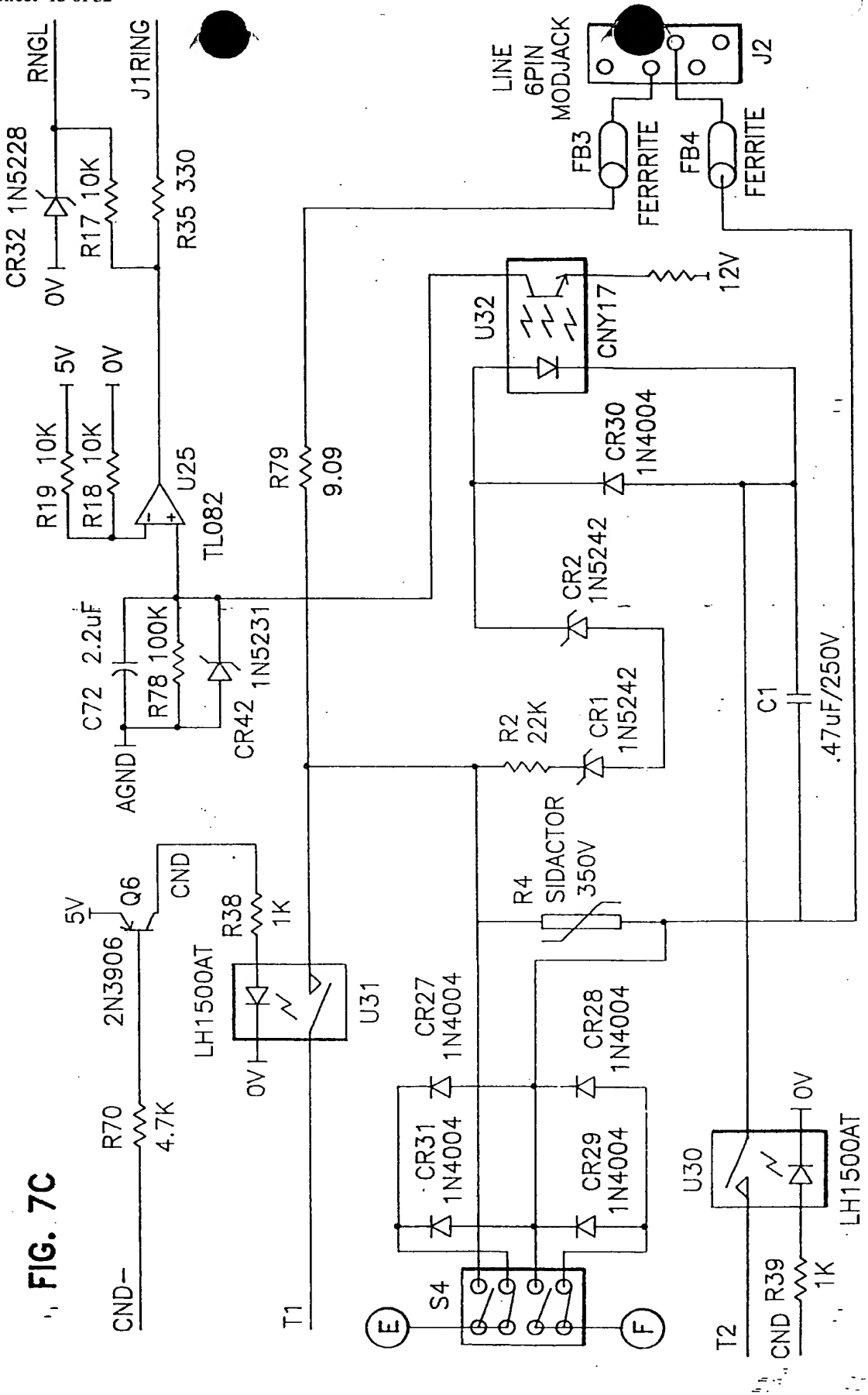

RNGL
J1RING
CR32 1N5228
R17 10K
R35 330
0V
5V
0V
R19 10K
R18 10K
U25
TL082
R79
9.09
C72 2.2uF
R78 100K
CR42 1N5231
AGND
LINE
6PIN
MODJACK
J2
FB3
FERRITE
FB4
FERRITE
U32
CNY17
12V
CR30
1N4004
CR2
1N5242
C1
.47uF/250V
R2
22K
CR1
1N5242
R4
SIDACTOR
350V
5V
Q6
2N3906
CND
R38
1K
LH1500AT
U31
0V
CR27
1N4004
CR28
1N4004
R70
4.7K
CND
CR31
1N4004
CR29
1N4004
S4
E
F
T1
T2
U30
0V
LH1500AT
CND
R39
1K

FIG. 7C

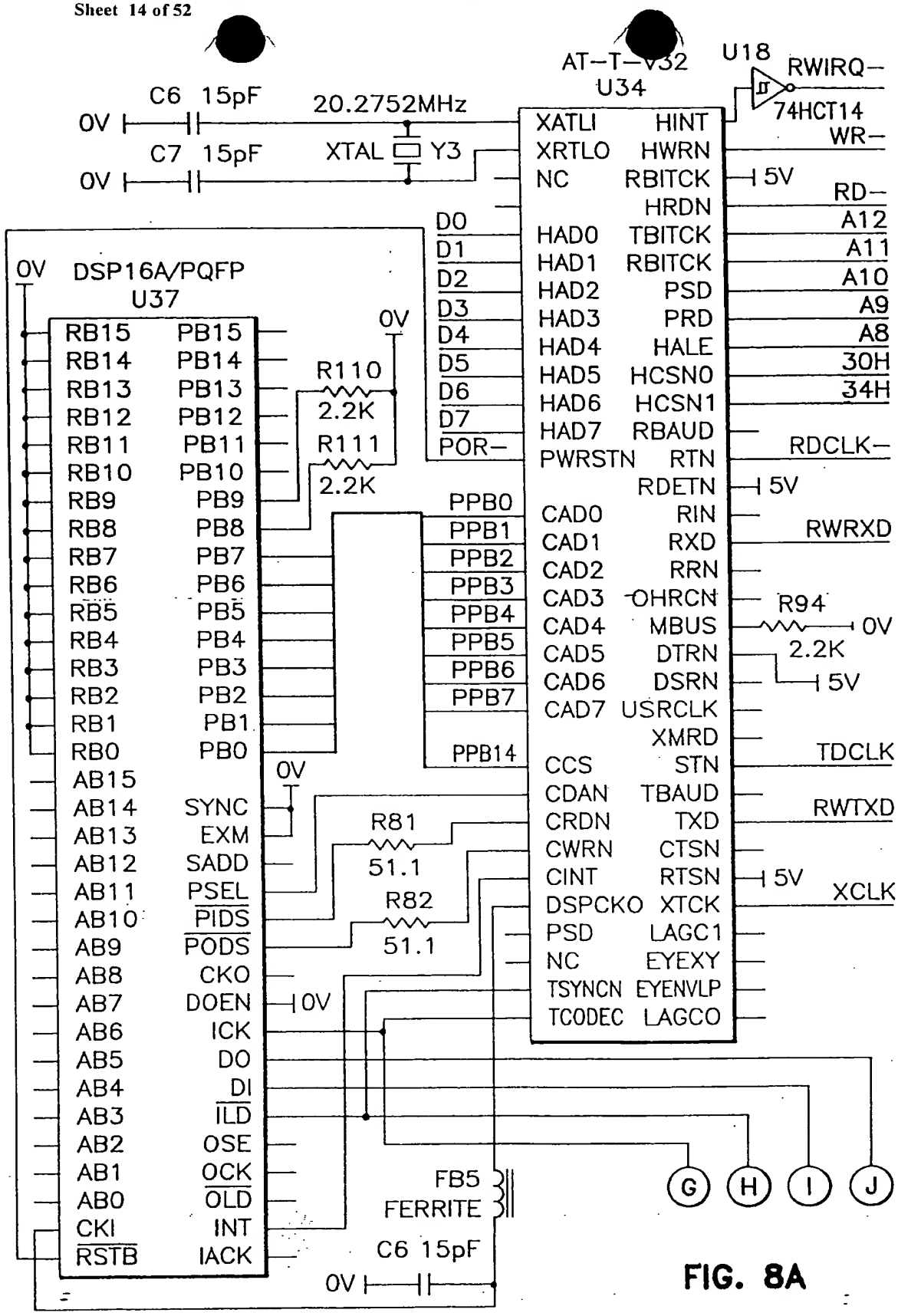

AT-T-V32
U34
U18
RWIRQ-
74HCT14
C6 15pF
20.2752MHz
C7 15pF
XTAL Y3
0V
XATLI HINT
XRTLO HWRN
NC RBITCK
HRDN
HAD0 TBITCK
HAD1 RBITCK
HAD2 PSD
HAD3 PRD
HAD4 HALE
HAD5 HCSN0
HAD6 HCSN1
HAD7 RBAUD
PWRSTN RTN
RDETN
CAD0 RIN
CAD1 RXD
CAD2 RRN
CAD3 OHRCN
CAD4 MBUS
CAD5 DTRN
CAD6 DSRN
CAD7 USRCLK
XMRD
CCS STN
CDAN TBAUD
CRDN TXD
CWRN CTSN
CINT RTSN
DSPCKO XTCK
PSD LAGC1
NC EYEXY
TSYNCN EYENVLP
TCODEC LAGCO
WR-
RD-
A12
A11
A10
A9
A8
30H
34H
RDCLK-
5V
RWRXD
R94
2.2K
TDCLK
RWTXD
XCLK
D0
D1
D2
D3
D4
D5
D6
D7
POR-
DSP16A/PQFP
U37
RB15 PB15
RB14 PB14
RB13 PB13
RB12 PB12
RB11 PB11
RB10 PB10
RB9 PB9
RB8 PB8
RB7 PB7
RB6 PB6
RB5 PB5
RB4 PB4
RB3 PB3
RB2 PB2
RB1 PB1
RB0 PB0
AB15
AB14 SYNC
AB13 EXM
AB12 SADD
AB11 PSEL
AB10 PIDS
AB9 PODS
AB8 CKO
AB7 DOEN
AB6 ICK
AB5 DO
AB4 DI
AB3 ILD
AB2 OSE
AB1 OCK
AB0 OLD
CKI INT
RSTB IACK
R110
2.2K
R111
2.2K
PPB0
PPB1
PPB2
PPB3
PPB4
PPB5
PPB6
PPB7
PPB14
R81
51.1
R82
51.1
FB5
FERRITE
C6 15pF
G
H
I
J

FIG. 8A

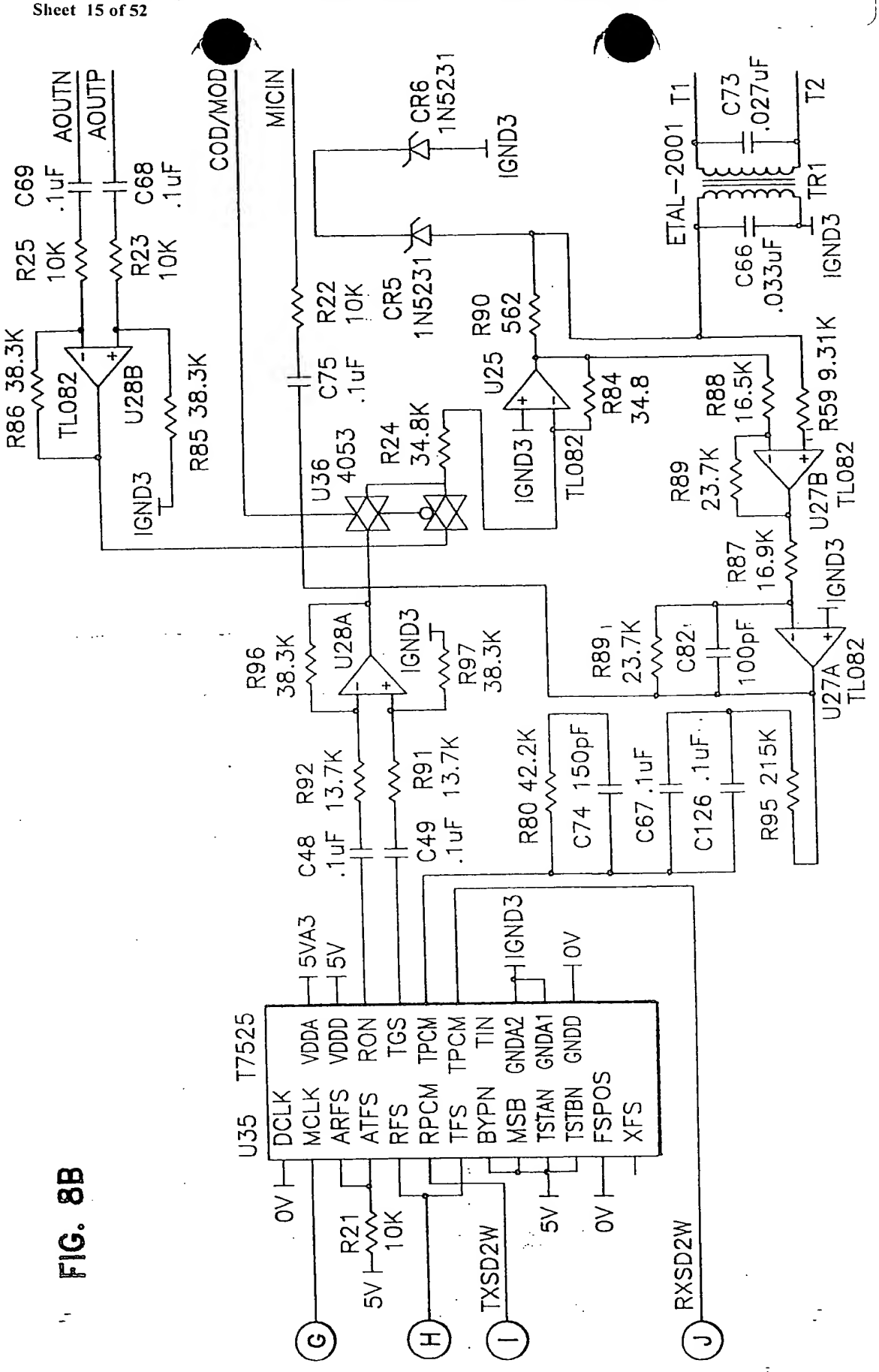

COD/MOD
MICIN
AOUTN
AOUTP
C69 .1uF
C68 .1uF
R25 10K
R23 10K
R86 38.3K
R85 38.3K
TL082
U28B
IGND3
CR6 1N5231
CR5 1N5231
R22 10K
C75 .1uF
U36 4053
R24 34.8K
R90 562
U25
TL082
R84 34.8
ETAL-2001
T1
T2
TR1
C73 .027uF
C66 .033uF
R88 16.5K
R59 9.31K
R89 23.7K
U27B
TL082
R87 16.9K
U27A
TL082
C82 100pF
R89 23.7K
R96 38.3K
U28A
R97 38.3K
C48 .1uF
R92 13.7K
C49 .1uF
R91 13.7K
R80 42.2K
C74 150pF
C67 .1uF
C126 .1uF
R95 215K
U35 T7525
5VA3
5V
IGND3
0V
DCLK
MCLK
ARFS
ATFS
RFS
RPCM
TFS
BYPN
MSB
TSTAN
TSTBN
FSPOS
XFS
VDDA
VDDD
RON
TGS
TPCM
TPCM
TIN
GNDA2
GNDA1
GNDD
R21 10K
TXSD2W
RXSD2W
G
H
I
J

FIG. 8B

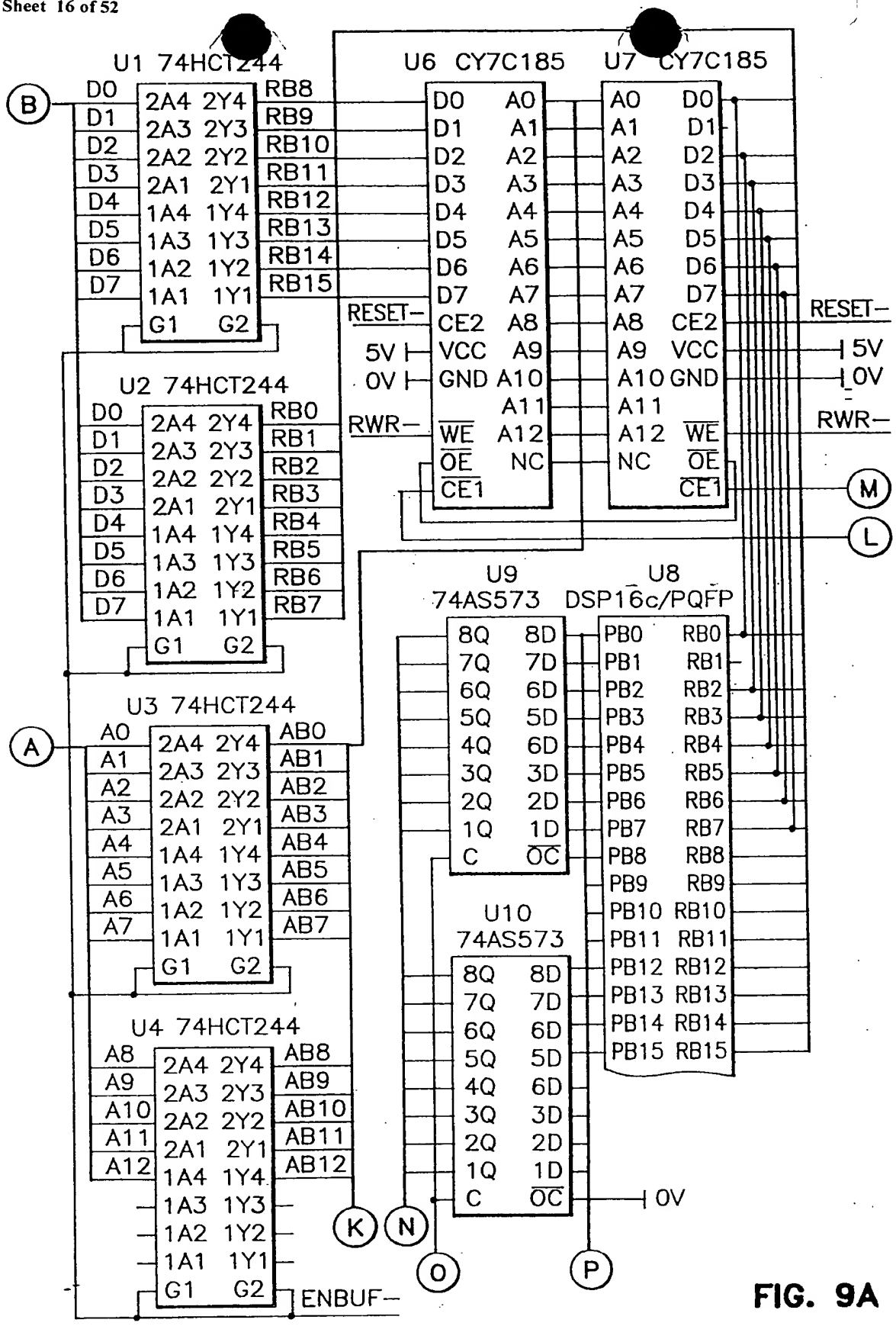
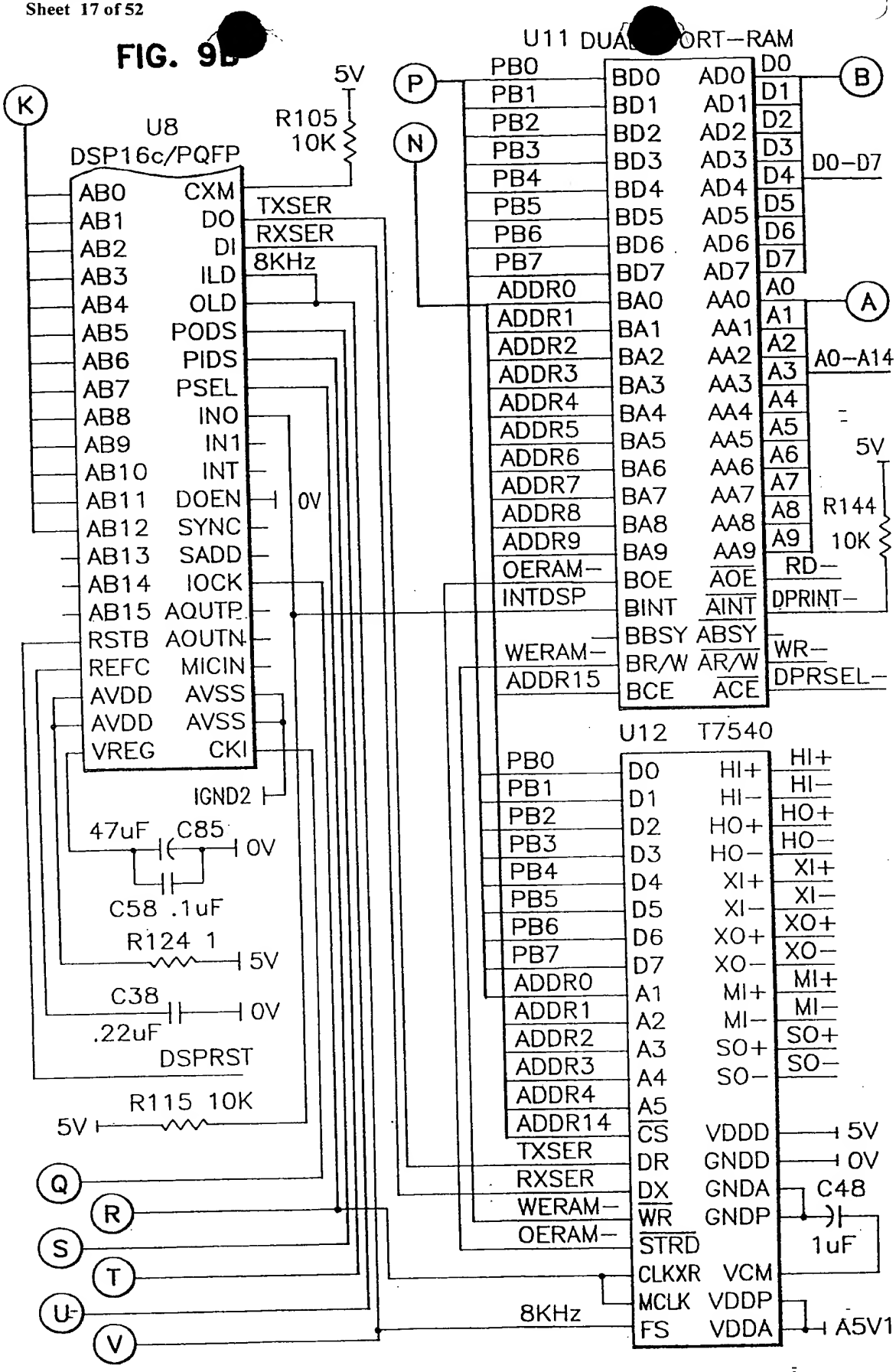

U1 74HCT244
U2 74HCT244
U3 74HCT244
U4 74HCT244
U6 CY7C185
U7 CY7C185
U8 DSP16c/PQFP
U9 74AS573
U10 74AS573
B
A
K
N
O
P
M
L
RESET-
5V
0V
RWR-
ENBUF-

FIG. 9A

FIG. 9B


U8
DSP16c/PQFP
AB0
AB1
AB2
AB3
AB4
AB5
AB6
AB7
AB8
AB9
AB10
AB11
AB12
AB13
AB14
AB15
RSTB
REFC
AVDD
AVDD
VREG
CXM
DO
DI
ILD
OLD
PODS
PIDS
PSEL
IN0
IN1
INT
DOEN
SYNC
SADD
IOCK
AQUTP
AOUTN
MICIN
AVSS
AVSS
CKI
5V
R105
10K
TXSER
RXSER
8KHz
0V
IGND2
47uF
C85
0V
C58 .1uF
R124 1
5V
C38
0V
.22uF
DSPRST
R115 10K
5V
K
Q
R
S
T
U
V
P
N
U11 DUAL PORT-RAM
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
ADDR0
ADDR1
ADDR2
ADDR3
ADDR4
ADDR5
ADDR6
ADDR7
ADDR8
ADDR9
OERAM-
INTDSP
WERAM-
ADDR15
BD0
BD1
BD2
BD3
BD4
BD5
BD6
BD7
BA0
BA1
BA2
BA3
BA4
BA5
BA6
BA7
BA8
BA9
BOE
BINT
BBSY
BR/W
BCE
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7
AA0
AA1
AA2
AA3
AA4
AA5
AA6
AA7
AA8
AA9
AOE
AINT
ABSY
AR/W
ACE
D0
D1
D2
D3
D4
D5
D6
D7
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
RD-
DPRINT-
WR-
DPRSEL-
B
A
D0-D7
A0-A14
5V
R144
10K
U12 T7540
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
ADDR0
ADDR1
ADDR2
ADDR3
ADDR4
ADDR14
TXSER
RXSER
WERAM-
OERAM-
8KHz
D0
D1
D2
D3
D4
D5
D6
D7
A1
A2
A3
A4
A5
CS
DR
DX
WR
STRD
CLKXR
MCLK
FS
HI+
HI-
HO+
HO-
XI+
XI-
XO+
XO-
MI+
MI-
SO+
SO-
VDDD
GNDD
GNDA
GNDP
VCM
VDDP
VDDA
5V
0V
C48
1uF
A5V1

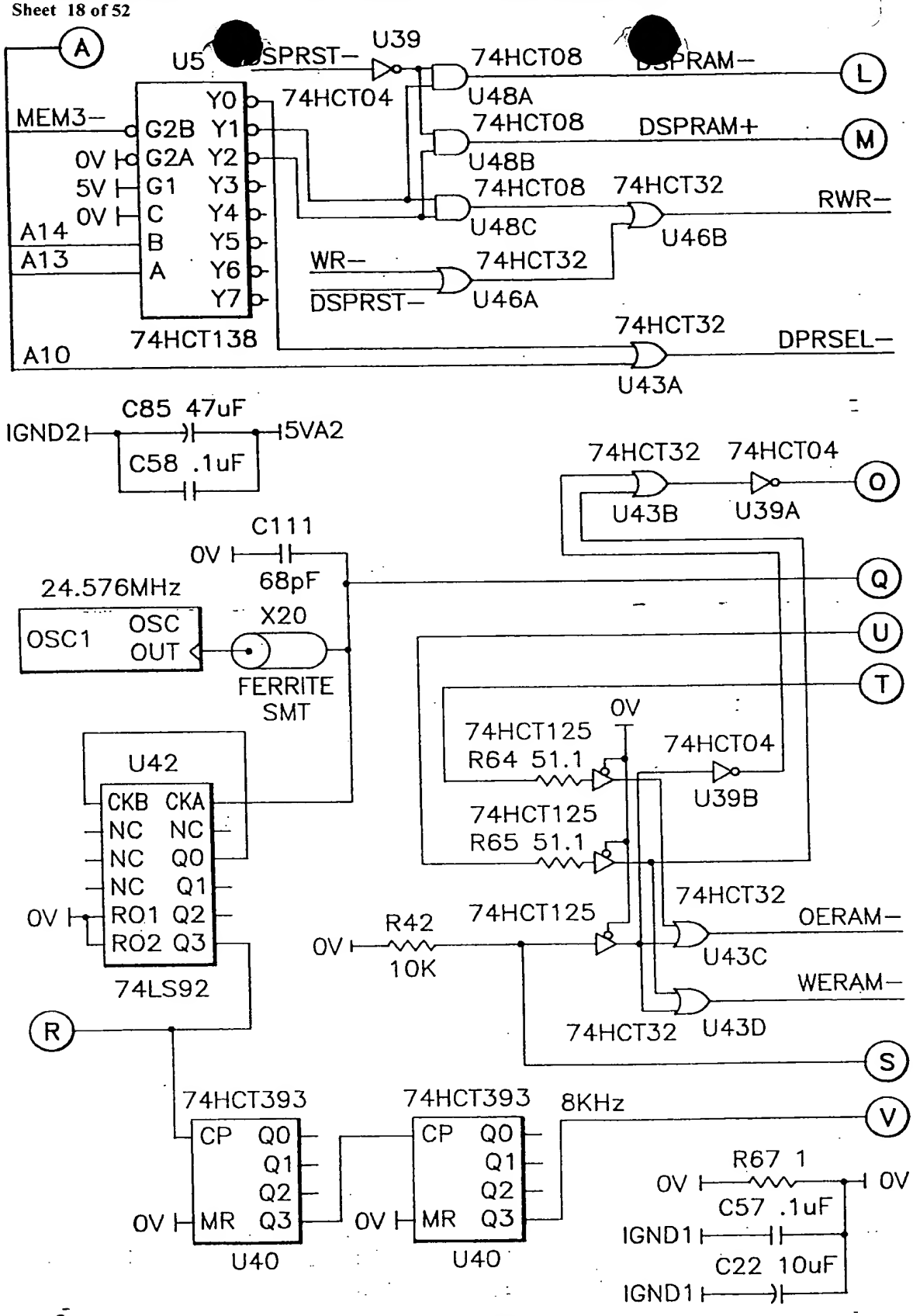

A
U5
DSPRST–
U39
74HCT08
U48A
DSPRAM–
L
MEM3–
74HCT04
74HCT08
U48B
DSPRAM+
M
0V
5V
0V
74HCT08
74HCT32
RWR–
U48C
U46B
A14
A13
WR–
74HCT32
DSPRST–
U46A
74HCT32
DPRSEL–
A10
74HCT138
U43A
C85 47uF
IGND2
5VA2
C58 .1uF
74HCT32
74HCT04
O
U43B
U39A
C111
0V
68pF
Q
24.576MHz
X20
OSC1
OSC OUT
FERRITE SMT
U
T
0V
74HCT125
R64 51.1
74HCT04
U39B
U42
74HCT125
R65 51.1
74HCT32
OERAM–
R42
74HCT125
0V
10K
U43C
WERAM–
74HCT32
U43D
S
74LS92
R
74HCT393
74HCT393
8KHz
V
U40
U40
R67 1
0V
0V
C57 .1uF
IGND1
C22 10uF
IGND1

FIG. 9C

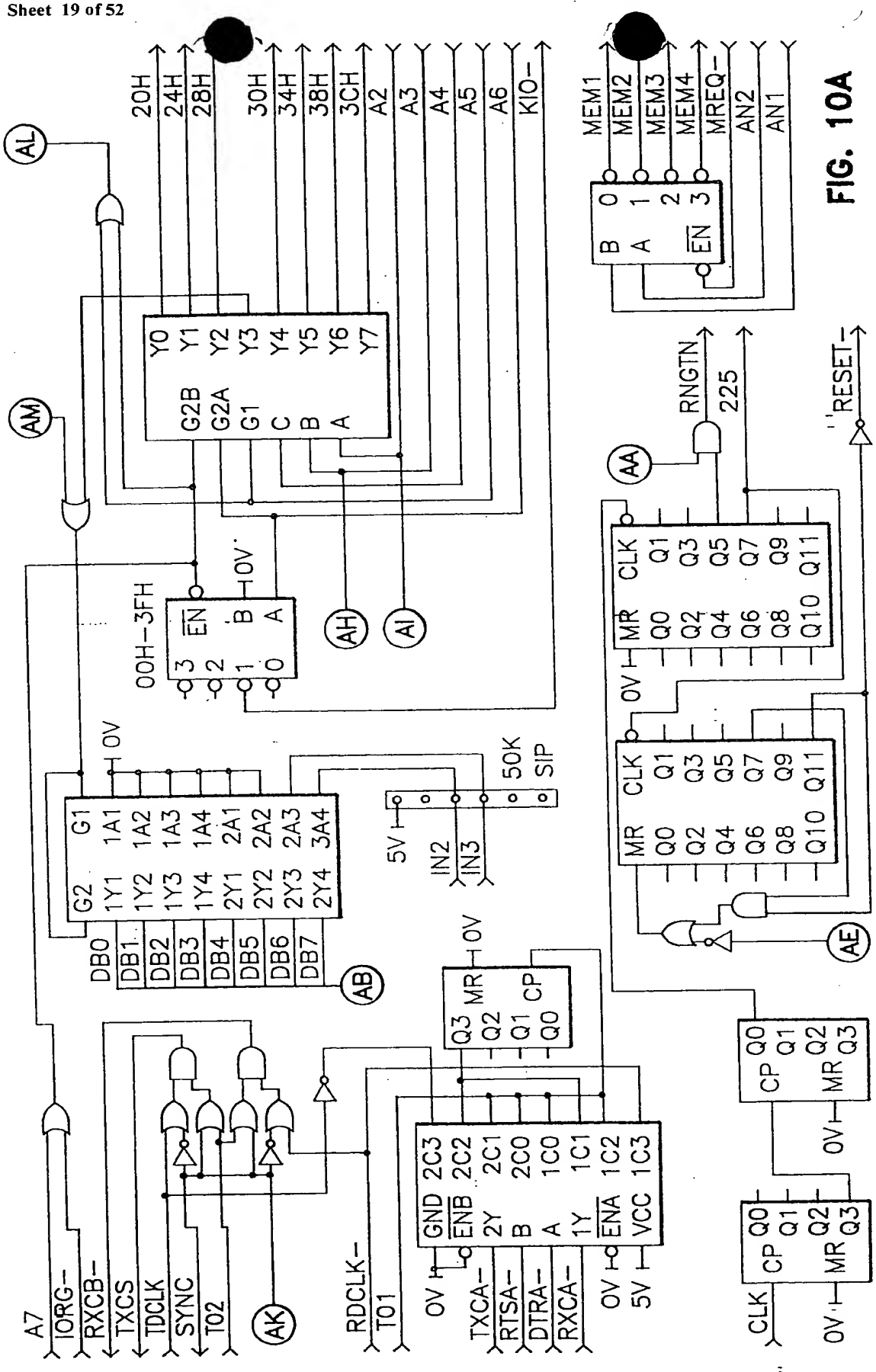
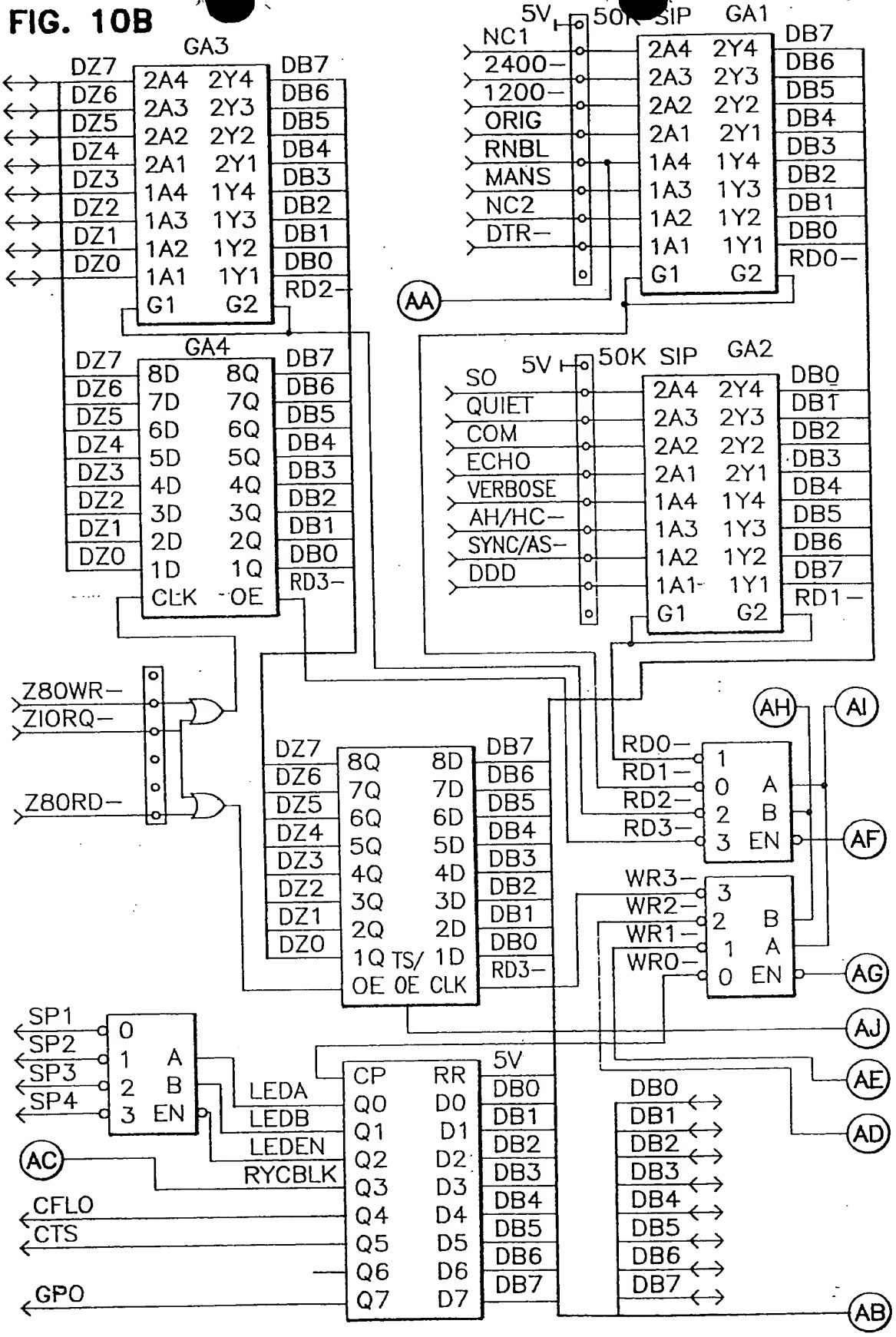

20H
24H
28H
30H
34H
38H
3CH
A2
A3
A4
A5
A6
KIO
MEM1
MEM2
MEM3
MEM4
MREQ
AN2
AN1
AL
AM
AH
AI
AA
AB
AE
AK
Y0 Y1 Y2 Y3 Y4 Y5 Y6 Y7
G2B G2A G1 C B A
00H–3FH
0V
EN B A
3 2 1 0
RNGTN
225
RESET
CLK Q1 Q3 Q5 Q7 Q9 Q11
MR Q0 Q2 Q4 Q6 Q8 Q10
G1 1A1 1A2 1A3 1A4 2A1 2A2 2A3 3A4
G2 1Y1 1Y2 1Y3 1Y4 2Y1 2Y2 2Y3 2Y4
50K
SIP
5V
IN2
IN3
DB0 DB1 DB2 DB3 DB4 DB5 DB6 DB7
Q3 MR Q2 Q1 CP Q0
CP Q0 Q1 Q2 Q3 MR
A7
IORG
RXCB
TXCS
TDCLK
SYNC
T02
RDCLK
T01
GND 2C3 2C2 2C1 2C0 1C0 1C1 1C2 1C3
ENB 2Y B A 1Y ENA VCC
TXCA
RTSA
DTRA
RXCA

FIG. 10A

FIG. 10B


GA3
DZ7
DZ6
DZ5
DZ4
DZ3
DZ2
DZ1
DZ0
2A4 2Y4
2A3 2Y3
2A2 2Y2
2A1 2Y1
1A4 1Y4
1A3 1Y3
1A2 1Y2
1A1 1Y1
G1 G2
DB7
DB6
DB5
DB4
DB3
DB2
DB1
DB0
RD2–
5V
50K SIP
GA1
NC1
2400–
1200–
ORIG
RNBL
MANS
NC2
DTR–
RD0–
AA
GA4
8D 8Q
7D 7Q
6D 6Q
5D 5Q
4D 4Q
3D 3Q
2D 2Q
1D 1Q
CLK OE
RD3–
GA2
SO
QUIET
COM
ECHO
VERBOSE
AH/HC–
SYNC/AS–
DDD
RD1–
Z80WR–
Z1ORQ–
Z80RD–
AH
AI
RD0–
RD1–
RD2–
RD3–
1
0 A
2 B
3 EN
AF
WR3–
WR2–
WR1–
WR0–
3
2 B
1 A
0 EN
AG
AJ
AE
AD
AB
8Q 8D
7Q 7D
6Q 6D
5Q 5D
4Q 4D
3Q 3D
2Q 2D
1Q TS/ 1D
OE OE CLK
SP1
SP2
SP3
SP4
0
1 A
2 B
3 EN
LEDA
LEDB
LEDEN
RYCBLK
AC
CFLO
CTS
GPO
CP RR
Q0 D0
Q1 D1
Q2 D2
Q3 D3
Q4 D4
Q5 D5
Q6 D6
Q7 D7
5V
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7

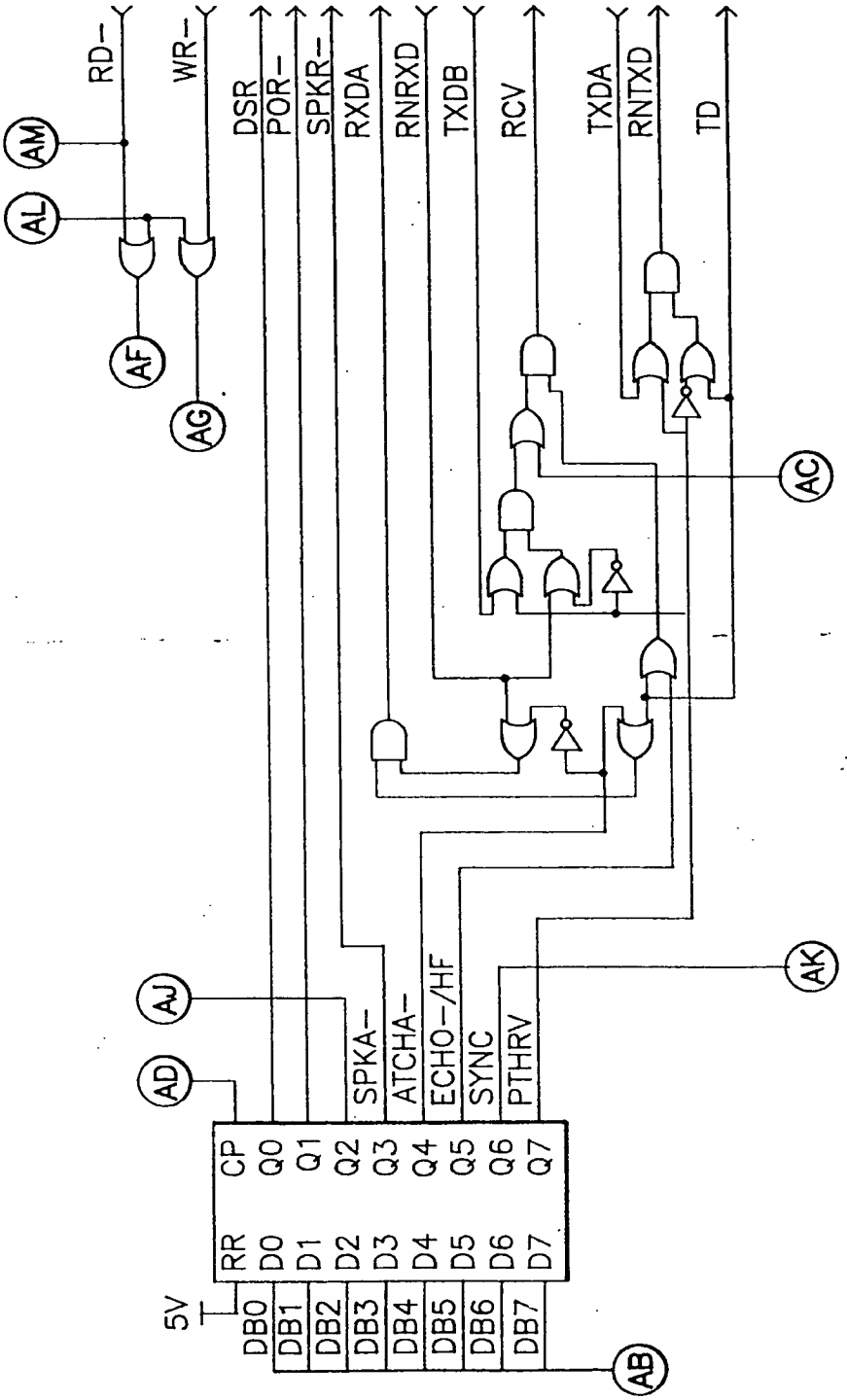

RD—
WR—
DSR
POR—
SPKR—
RXDA
RNRXD
TXDB
RCV
TXDA
RNTXD
TD
AM
AL
AF
AG
AC
AJ
AD
AK
AB
SPKA—
ATCHA—
ECHO—/HF
SYNC
PTHRV
CP
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
RR
D0
D1
D2
D3
D4
D5
D6
D7
5V
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7

FIG. 10C

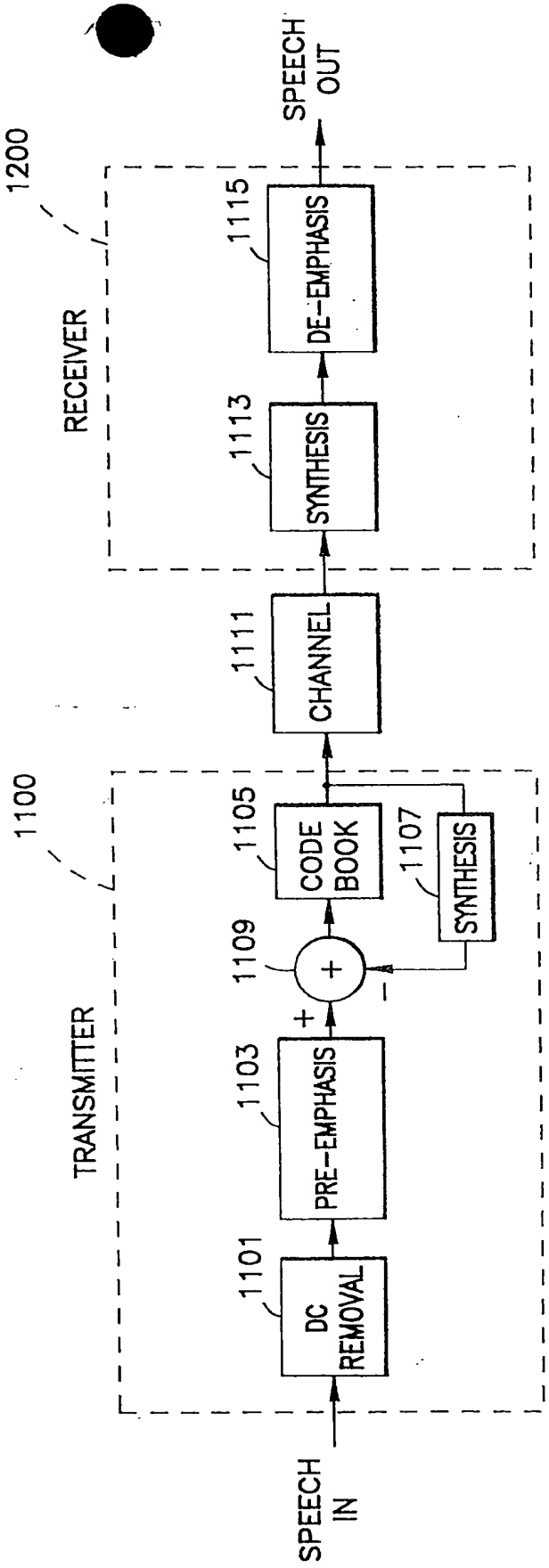

SPEECH IN
1100
TRANSMITTER
1101
DC REMOVAL
1103
PRE-EMPHASIS
1109
+
-
1105
CODE BOOK
1107
SYNTHESIS
1111
CHANNEL
1200
RECEIVER
1113
SYNTHESIS
1115
DE-EMPHASIS
SPEECH OUT

FIG. 11

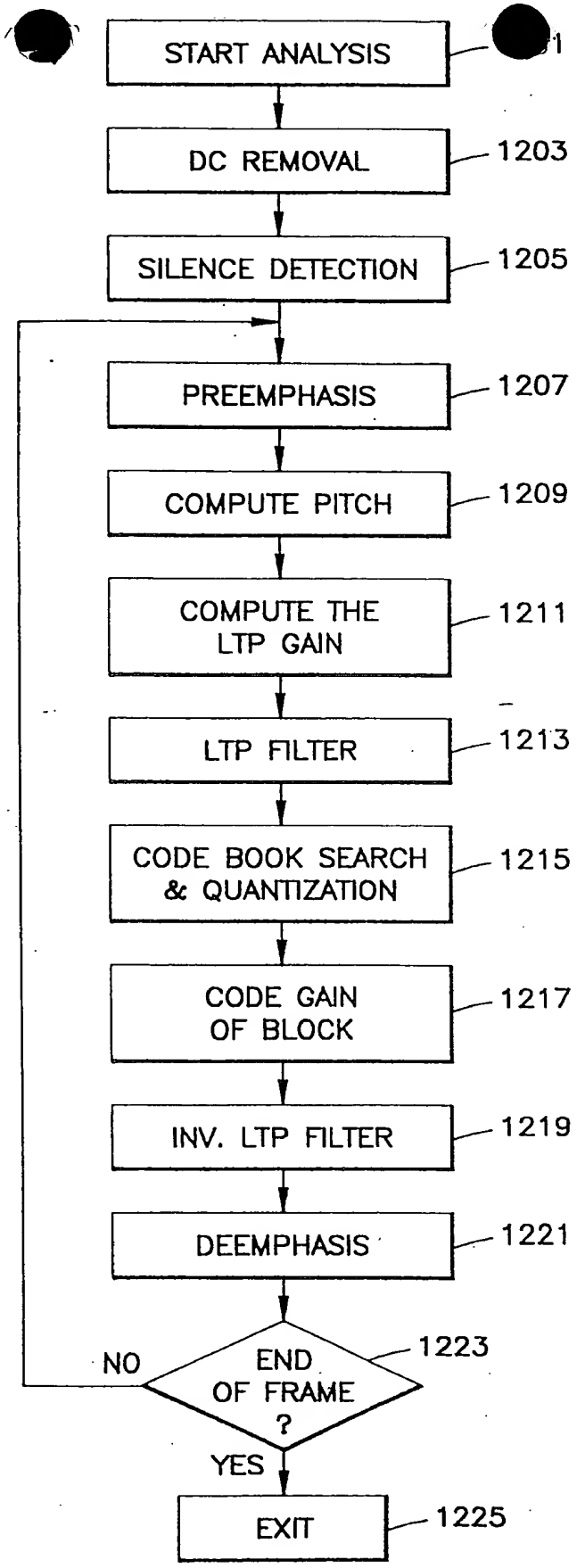

START ANALYSIS
1
DC REMOVAL
1203
SILENCE DETECTION
1205
PREEMPHASIS
1207
COMPUTE PITCH
1209
COMPUTE THE LTP GAIN
1211
LTP FILTER
1213
CODE BOOK SEARCH & QUANTIZATION
1215
CODE GAIN OF BLOCK
1217
INV. LTP FILTER
1219
DEEMPHASIS
1221
END OF FRAME ?
1223
NO
YES
EXIT
1225

FIG. 12

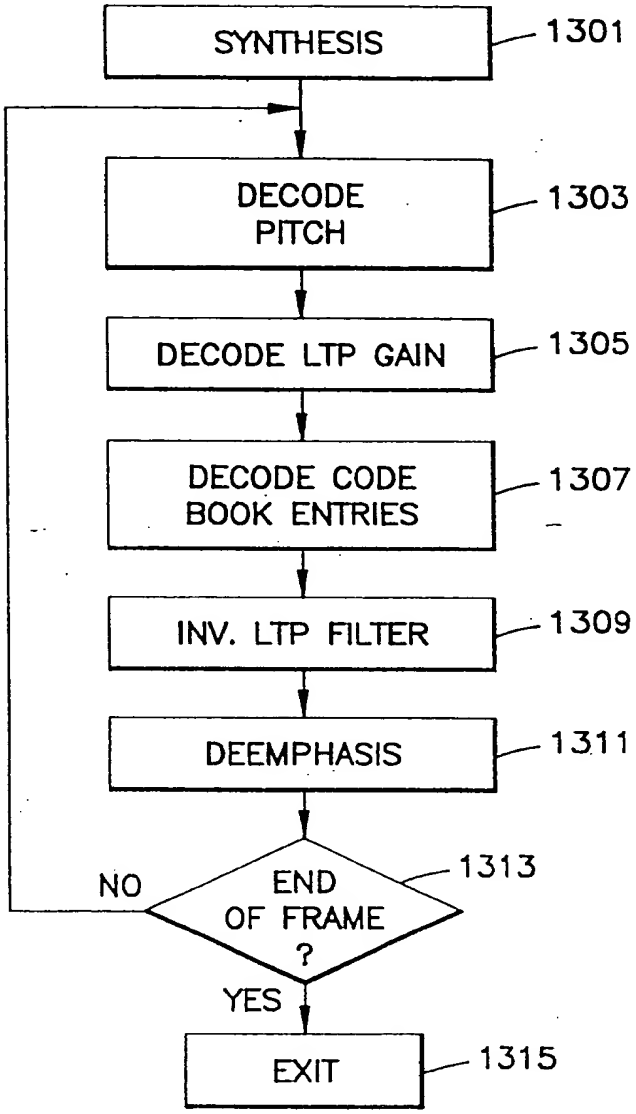

SYNTHESIS
1301
DECODE PITCH
1303
DECODE LTP GAIN
1305
DECODE CODE BOOK ENTRIES
1307
INV. LTP FILTER
1309
DEEMPHASIS
1311
NO
END OF FRAME ?
1313
YES
EXIT
1315

FIG. 13

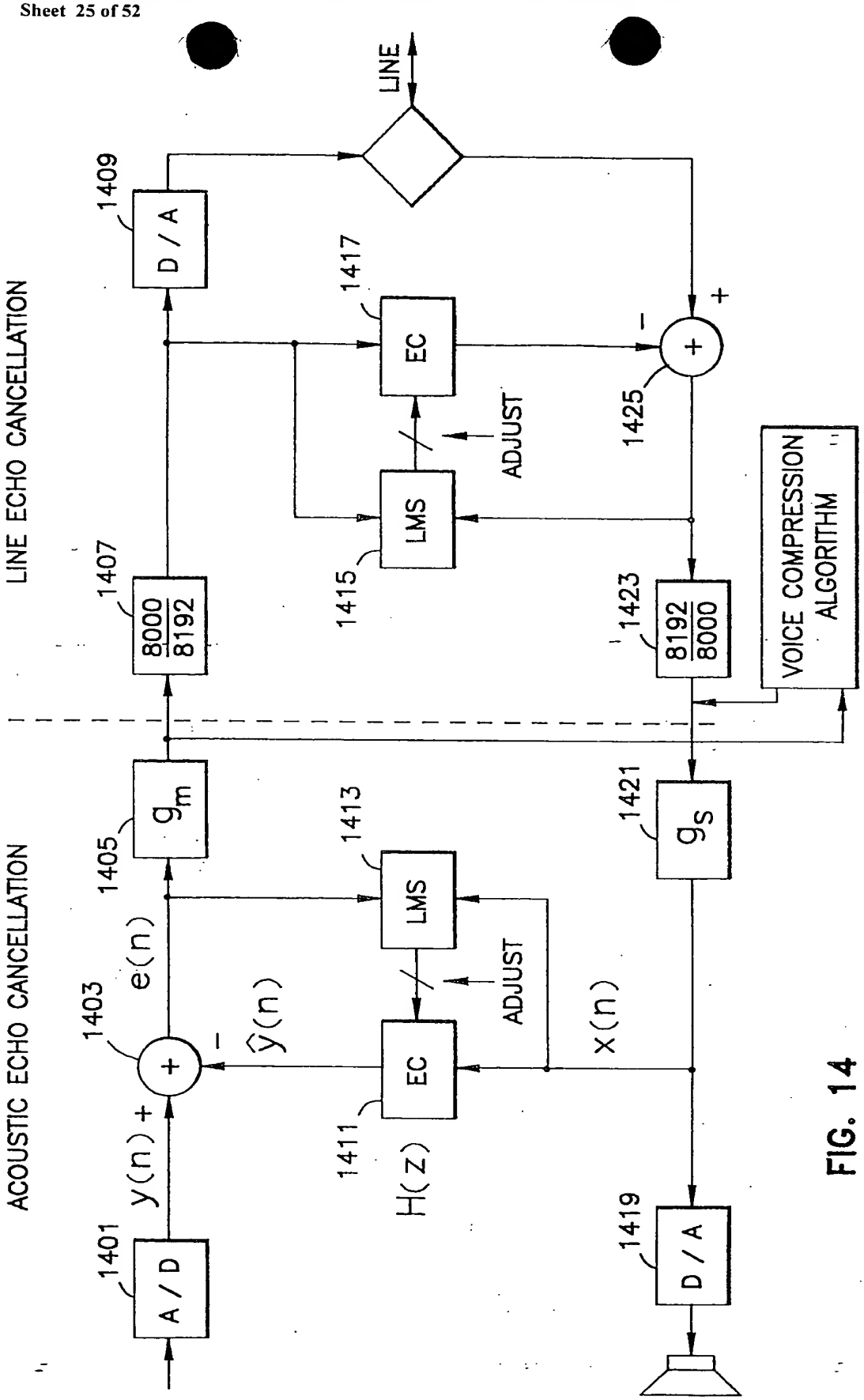

LINE
1409
D / A
1417
EC
ADJUST
1425
LMS
1415
1407
8000/8192
1423
8192/8000
VOICE COMPRESSION ALGORITHM
LINE ECHO CANCELLATION
1405
g_m
1413
LMS
1421
g_s
ADJUST
e(n)
1403
$\hat{y}(n)$
x(n)
y(n) +
EC
1411
H(z)
1401
A / D
1419
D / A
ACOUSTIC ECHO CANCELLATION

FIG. 14

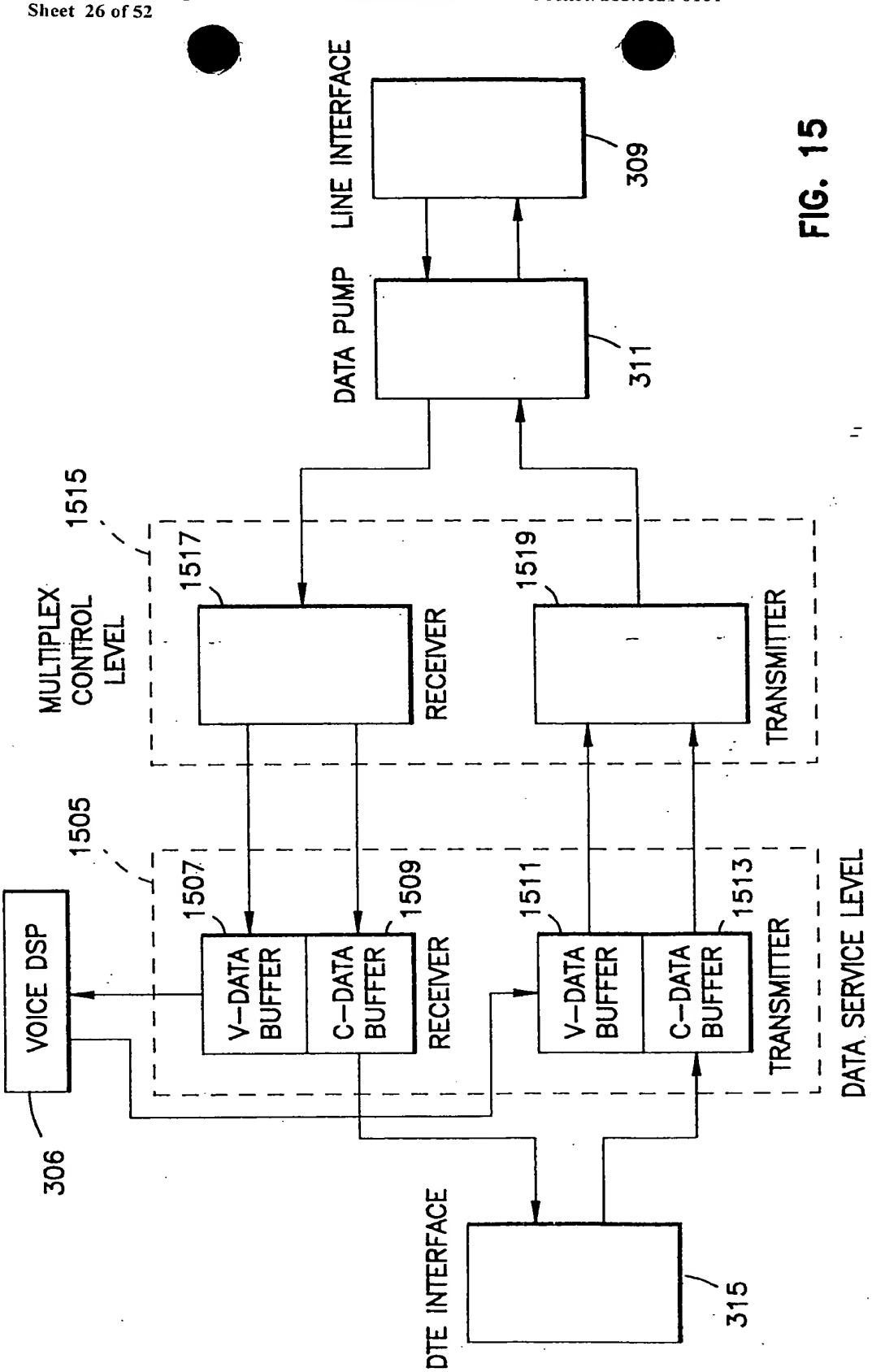

LINE INTERFACE
309
DATA PUMP
311
1515
MULTIPLEX CONTROL LEVEL
1517
RECEIVER
1519
TRANSMITTER
1505
DATA SERVICE LEVEL
1507
V-DATA BUFFER
1509
C-DATA BUFFER
RECEIVER
1511
V-DATA BUFFER
1513
C-DATA BUFFER
TRANSMITTER
VOICE DSP
306
DTE INTERFACE
315

FIG. 15

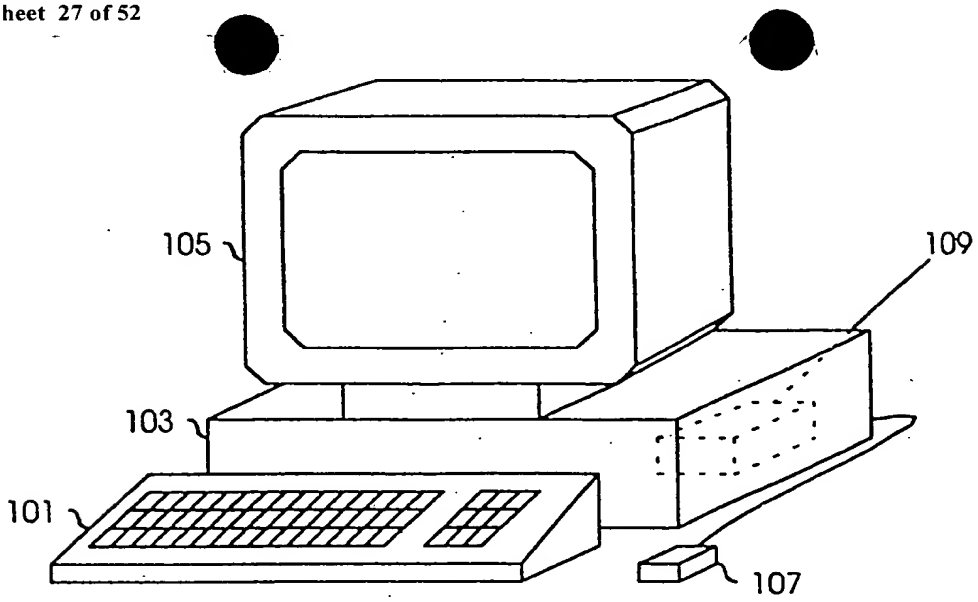

105
109
103
101
107

FIG. 16

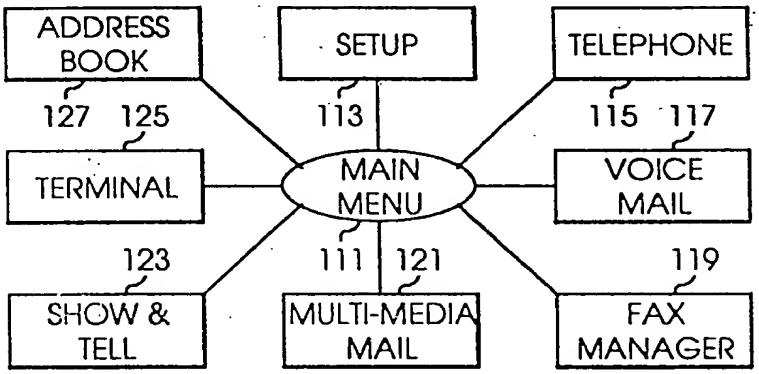

ADDRESS BOOK
127
125
SETUP
113
TELEPHONE
115
117
TERMINAL
MAIN MENU
VOICE MAIL
123
111
121
119
SHOW & TELL
MULTI-MEDIA MAIL
FAX MANAGER

FIG. 17

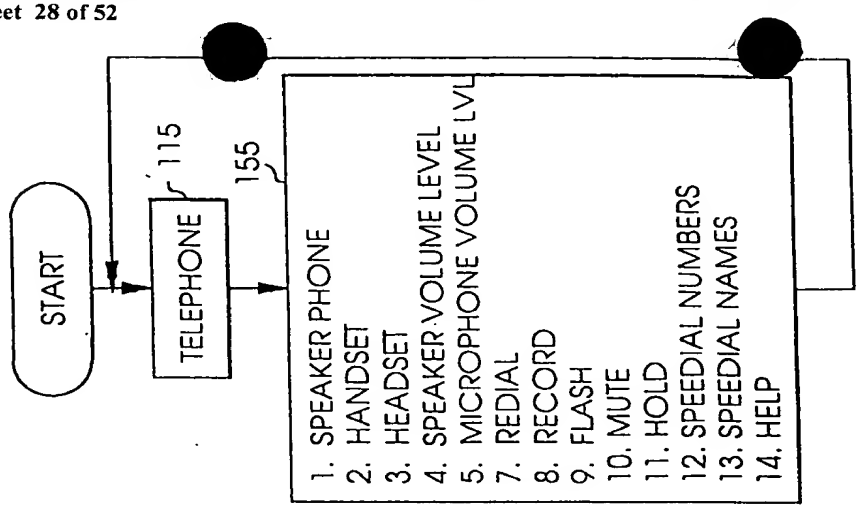


FIG. 21

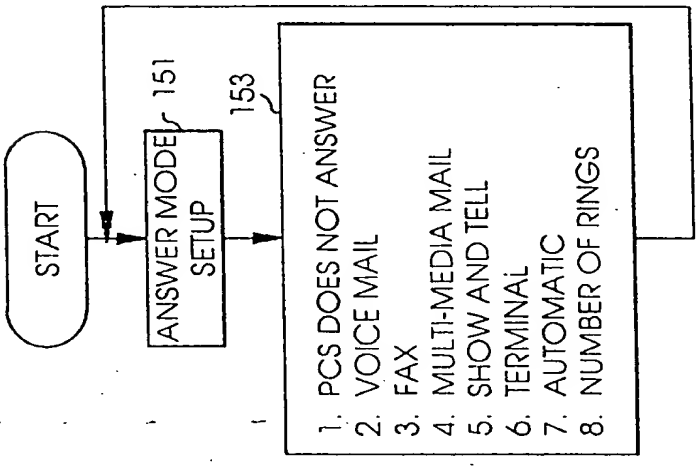


FIG. 20

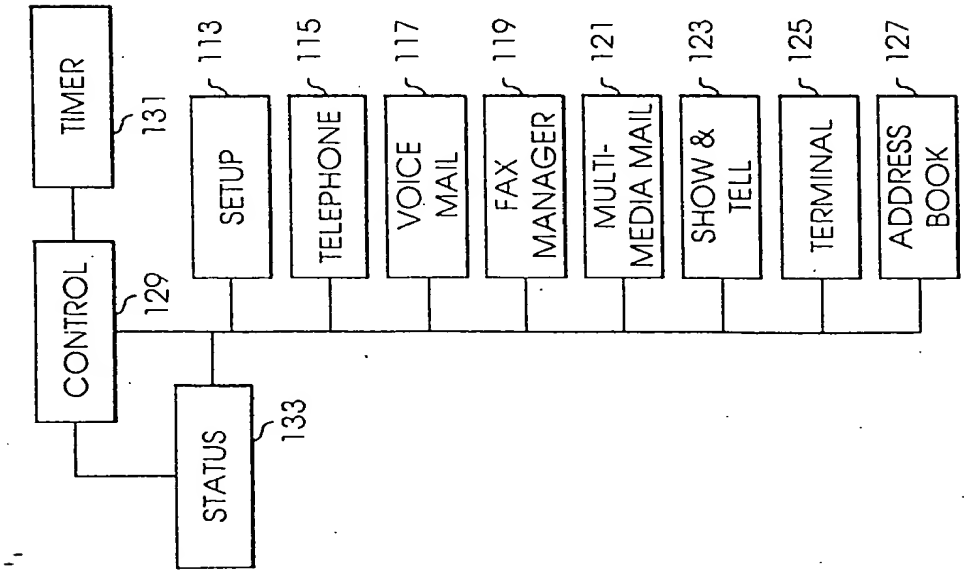


FIG. 18

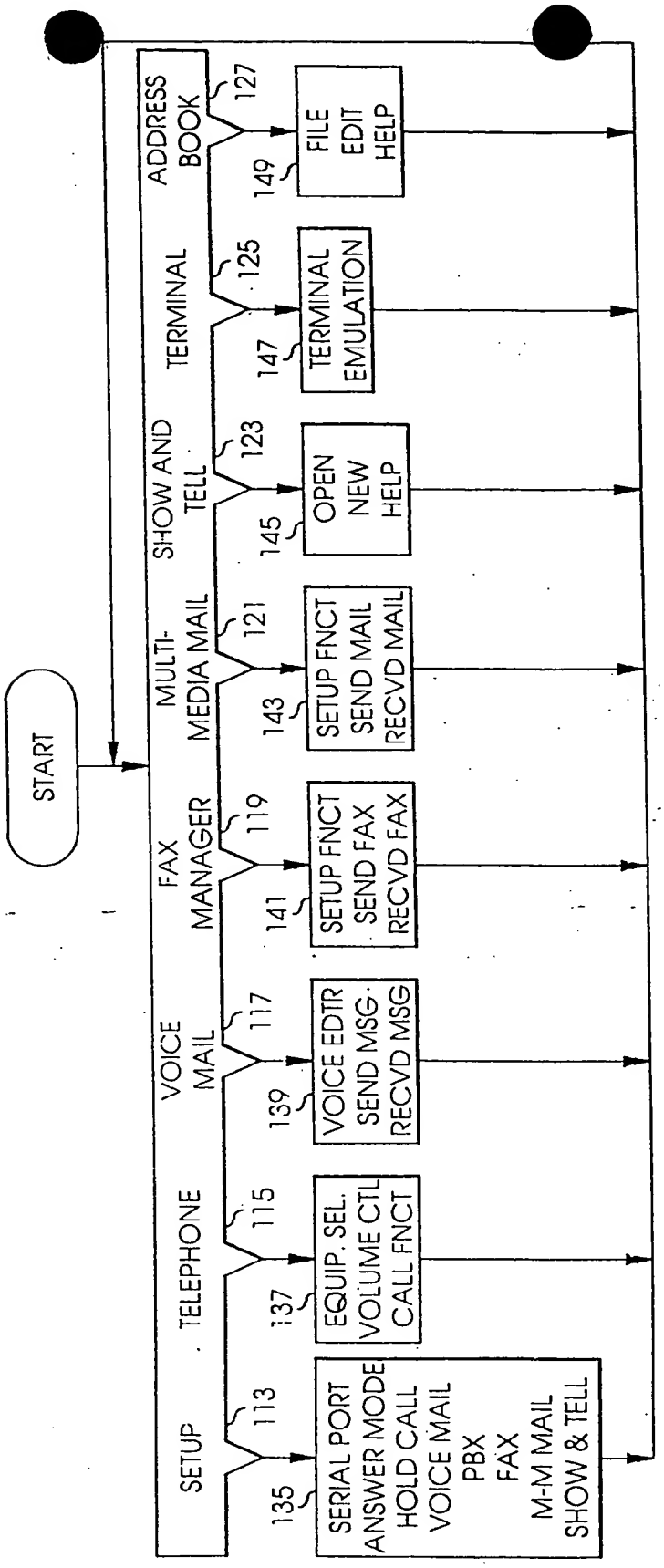

START
SETUP
TELEPHONE
VOICE MAIL
FAX MANAGER
MULTI-MEDIA MAIL
SHOW AND TELL
TERMINAL
ADDRESS BOOK
113
115
117
119
121
123
125
127
135
137
139
141
143
145
147
149
SERIAL PORT
ANSWER MODE
HOLD CALL
VOICE MAIL
PBX
FAX
M-M MAIL
SHOW & TELL
EQUIP. SEL.
VOLUME CTL
CALL FNCT
VOICE EDTR
SEND MSG
RECVD MSG
SETUP FNCT
SEND FAX
RECVD FAX
SETUP FNCT
SEND MAIL
RECVD MAIL
OPEN
NEW
HELP
TERMINAL
EMULATION
FILE
EDIT
HELP

FIG. 19

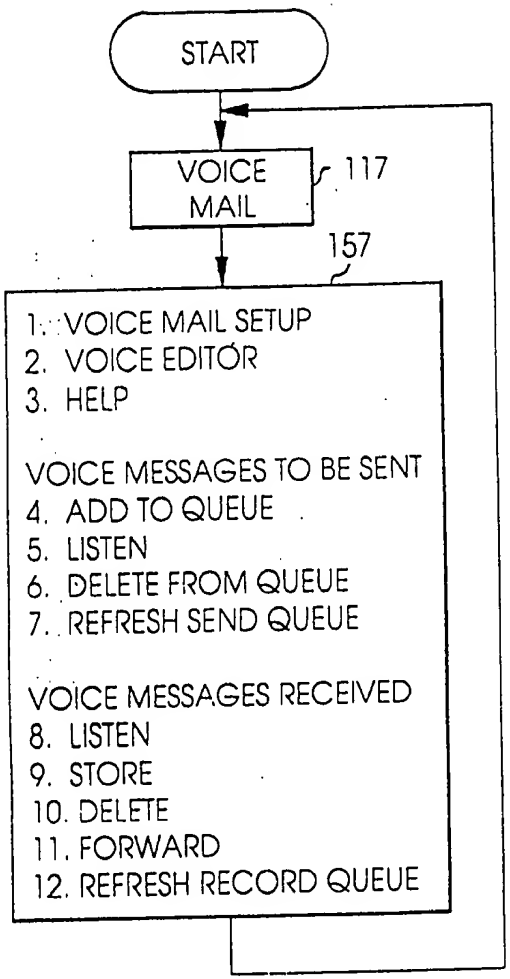


FIG. 22

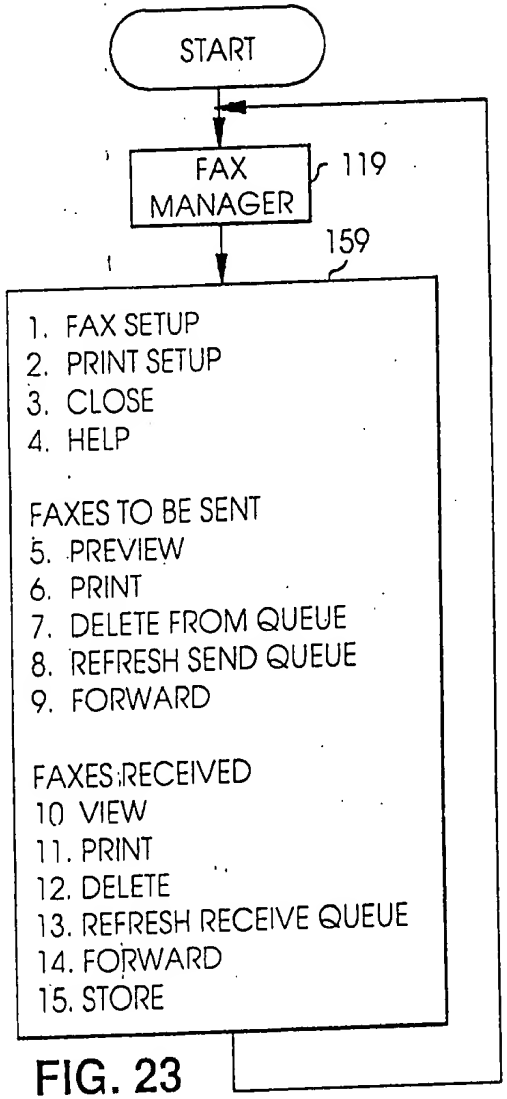


FIG. 23

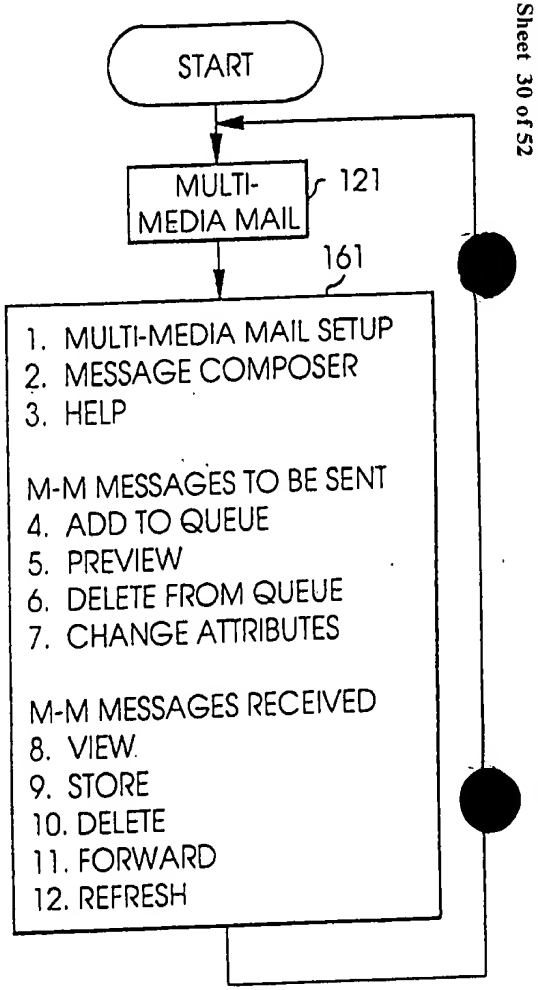


FIG. 24

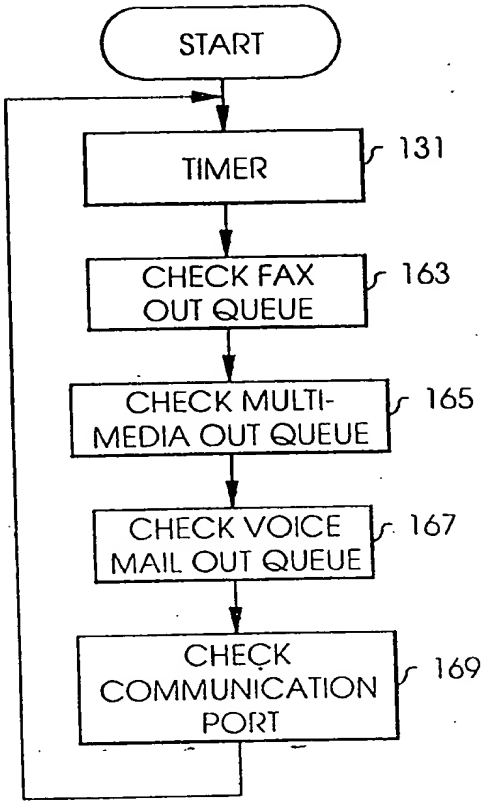

START
TIMER
131
CHECK FAX OUT QUEUE
163
CHECK MULTI-MEDIA OUT QUEUE
165
CHECK VOICE MAIL OUT QUEUE
167
CHECK COMMUNICATION PORT
169

FIG. 25

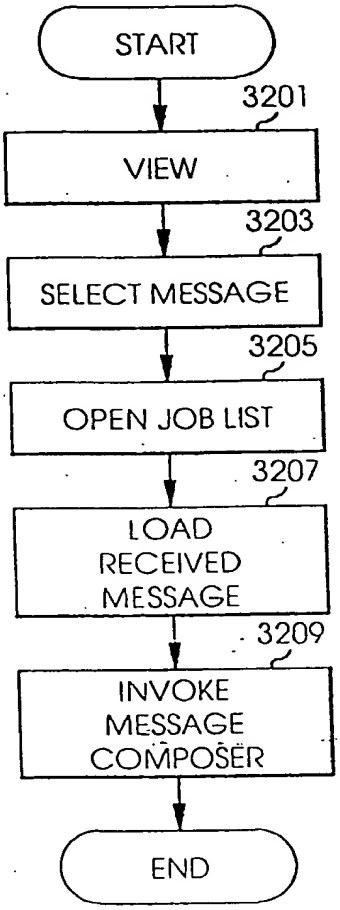

START
3201
VIEW
3203
SELECT MESSAGE
3205
OPEN JOB LIST
3207
LOAD RECEIVED MESSAGE
3209
INVOKE MESSAGE COMPOSER
END

FIG. 33

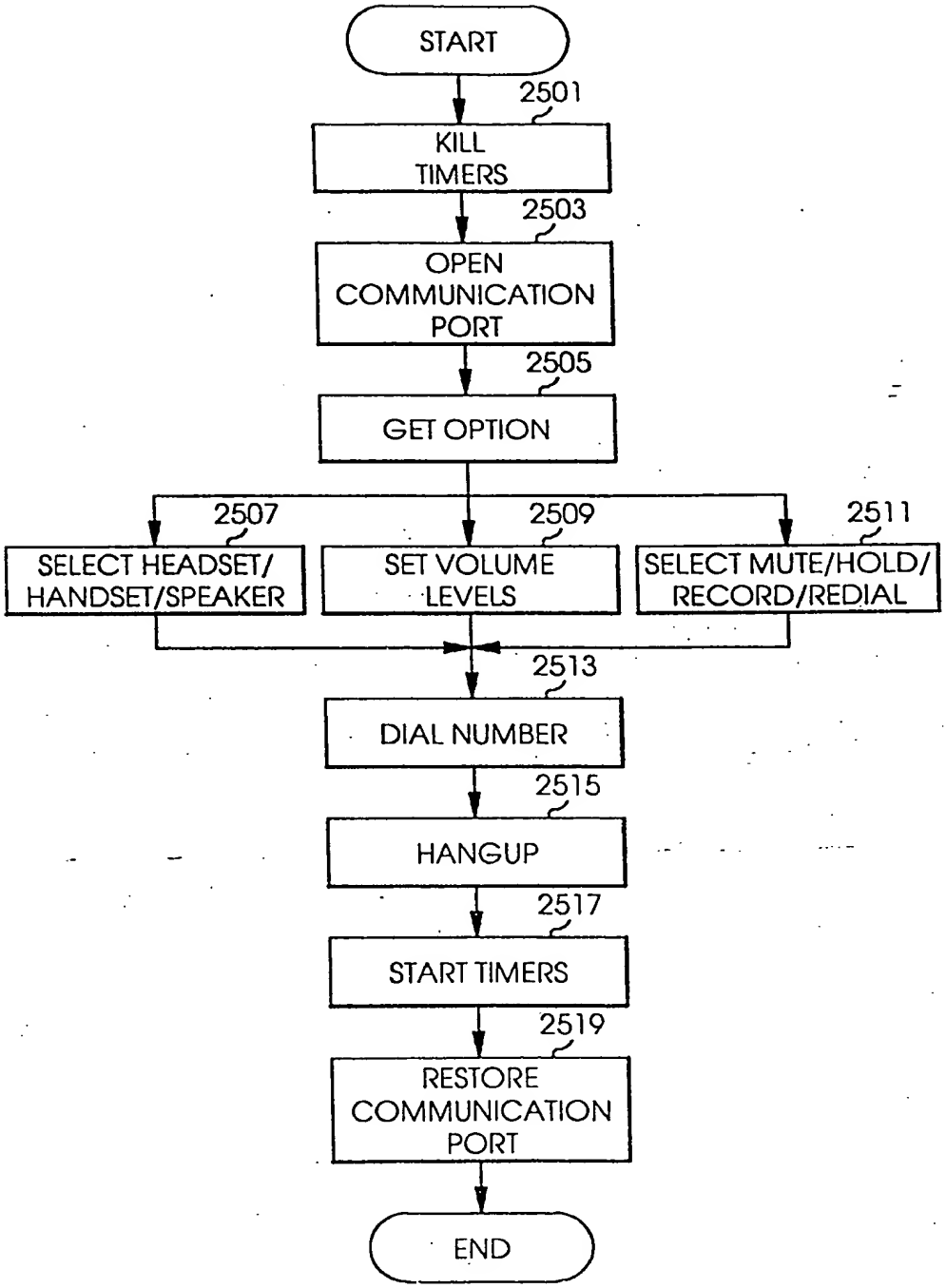

START
2501
KILL TIMERS
2503
OPEN COMMUNICATION PORT
2505
GET OPTION
2507
SELECT HEADSET/ HANDSET/SPEAKER
2509
SET VOLUME LEVELS
2511
SELECT MUTE/HOLD/ RECORD/REDIAL
2513
DIAL NUMBER
2515
HANGUP
2517
START TIMERS
2519
RESTORE COMMUNICATION PORT
END

FIG. 26

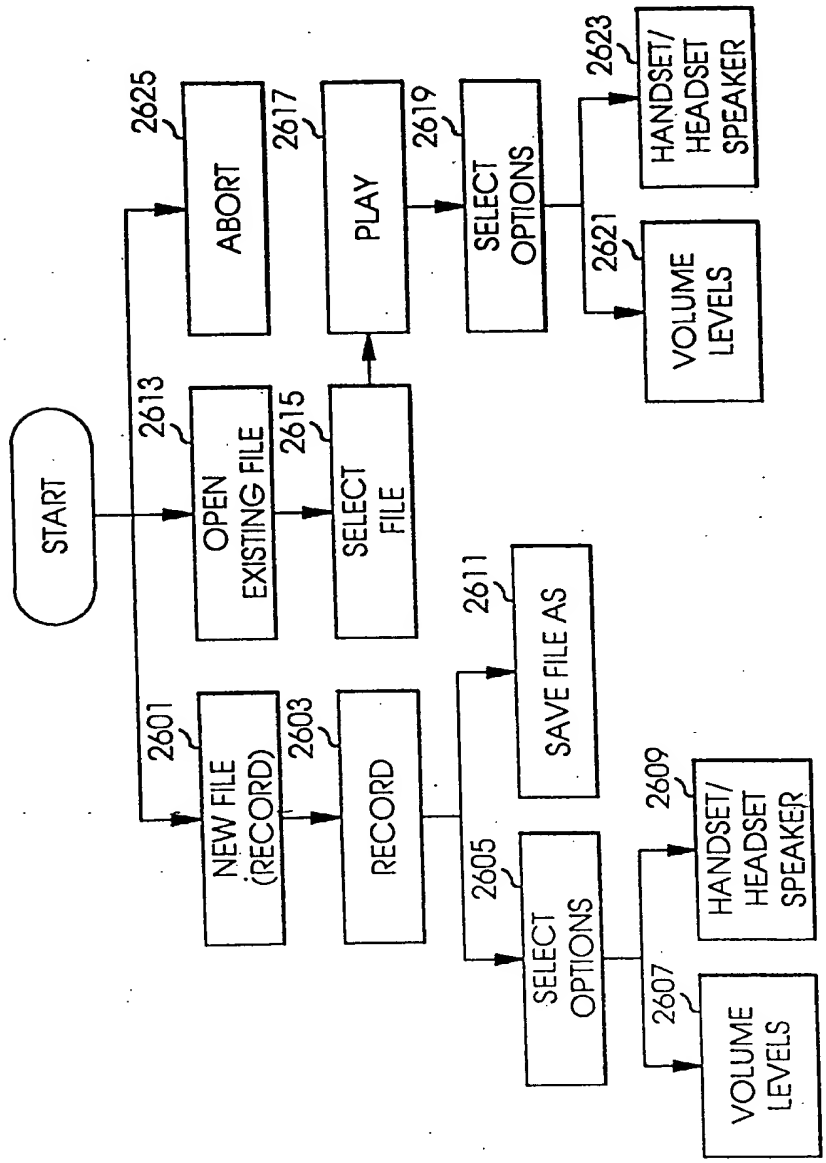

START
NEW FILE (RECORD)
2601
RECORD
2603
SAVE FILE AS
2611
SELECT OPTIONS
2605
HANDSET/ HEADSET SPEAKER
2609
VOLUME LEVELS
2607
OPEN EXISTING FILE
2613
SELECT FILE
2615
ABORT
2625
PLAY
2617
SELECT OPTIONS
2619
HANDSET/ HEADSET SPEAKER
2623
VOLUME LEVELS
2621

FIG. 27

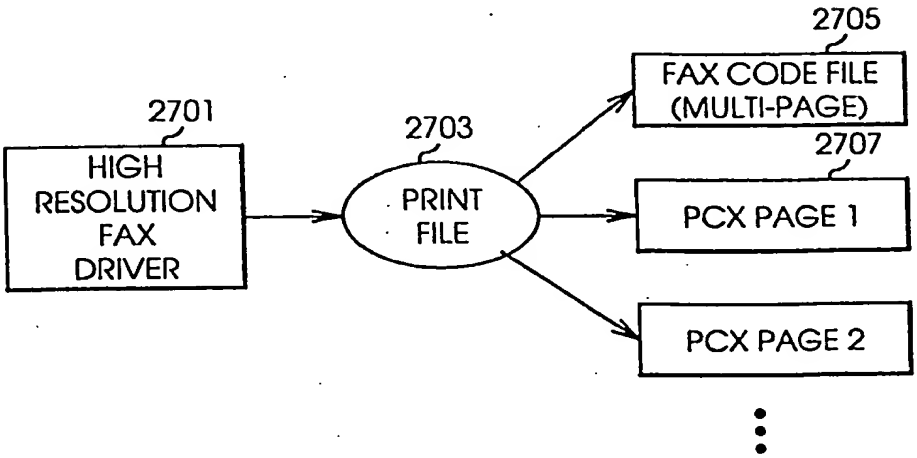

2705
FAX CODE FILE (MULTI-PAGE)
2701
HIGH RESOLUTION FAX DRIVER
2703
PRINT FILE
2707
PCX PAGE 1
PCX PAGE 2

FIG. 28

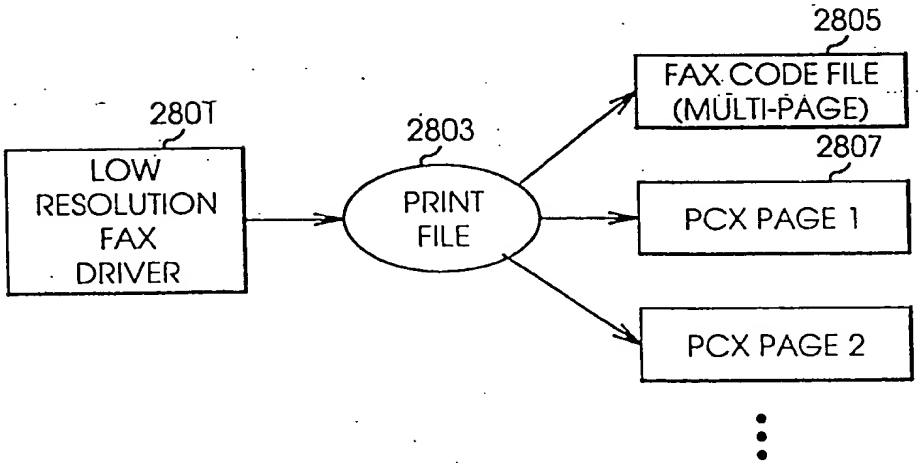

2805
FAX CODE FILE (MULTI-PAGE)
280T
LOW RESOLUTION FAX DRIVER
2803
PRINT FILE
2807
PCX PAGE 1
PCX PAGE 2

FIG. 29

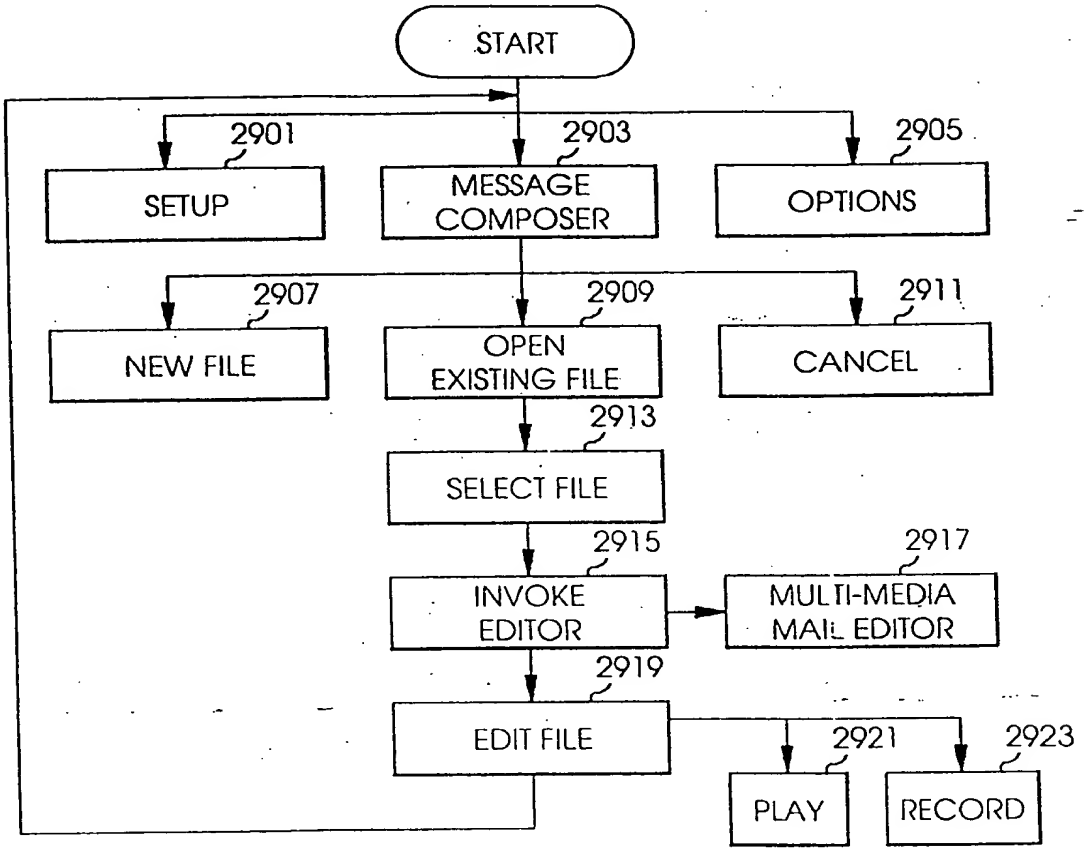

START
2901
SETUP
2903
MESSAGE COMPOSER
2905
OPTIONS
2907
NEW FILE
2909
OPEN EXISTING FILE
2911
CANCEL
2913
SELECT FILE
2915
INVOKE EDITOR
2917
MULTI-MEDIA MAIL EDITOR
2919
EDIT FILE
2921
PLAY
2923
RECORD

FIG. 30

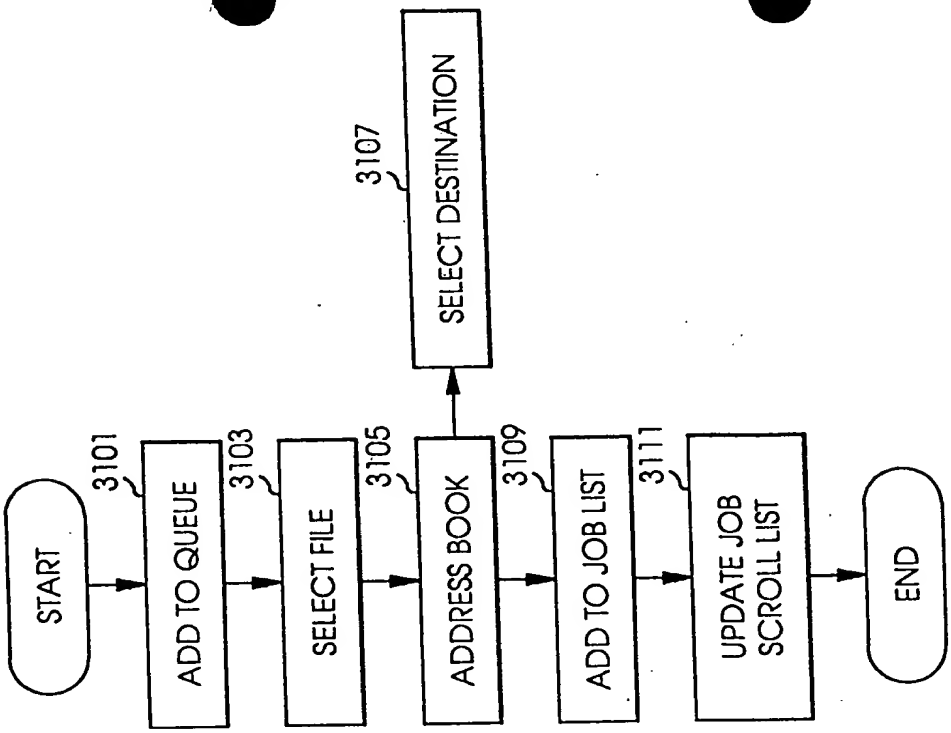

START
3101
ADD TO QUEUE
3103
SELECT FILE
3105
ADDRESS BOOK
3107
SELECT DESTINATION
3109
ADD TO JOB LIST
3111
UPDATE JOB SCROLL LIST
END

FIG. 32

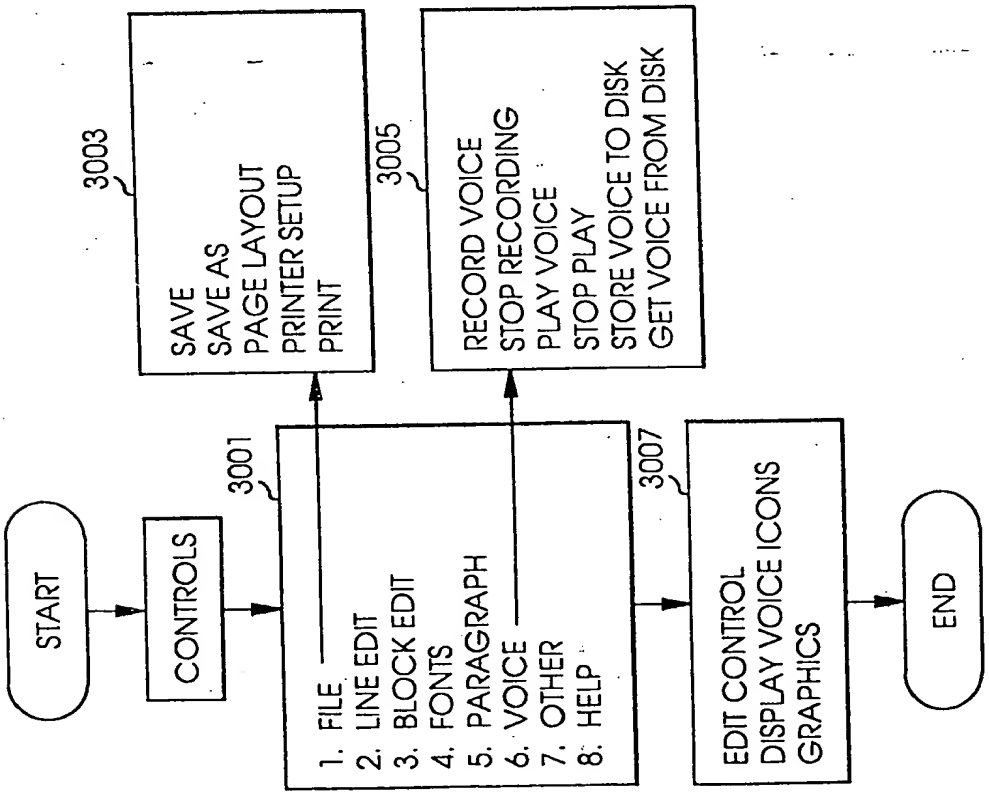

START
CONTROLS
3001
1. FILE
2. LINE EDIT
3. BLOCK EDIT
4. FONTS
5. PARAGRAPH
6. VOICE
7. OTHER
8. HELP
3003
SAVE
SAVE AS
PAGE LAYOUT
PRINTER SETUP
PRINT
3005
RECORD VOICE
STOP RECORDING
PLAY VOICE
STOP PLAY
STORE VOICE TO DISK
GET VOICE FROM DISK
3007
EDIT CONTROL
DISPLAY VOICE ICONS
GRAPHICS
END

FIG. 31

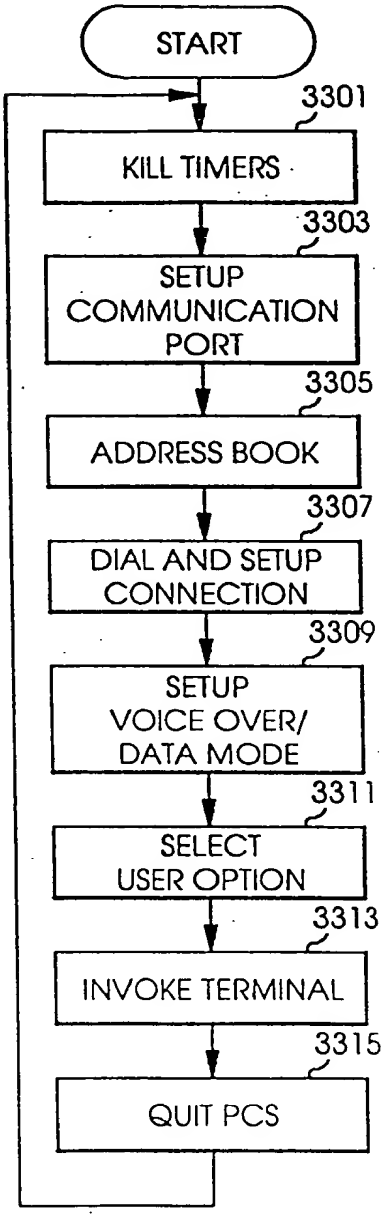

START
3301
KILL TIMERS
3303
SETUP COMMUNICATION PORT
3305
ADDRESS BOOK
3307
DIAL AND SETUP CONNECTION
3309
SETUP VOICE OVER/ DATA MODE
3311
SELECT USER OPTION
3313
INVOKE TERMINAL
3315
QUIT PCS

FIG. 34

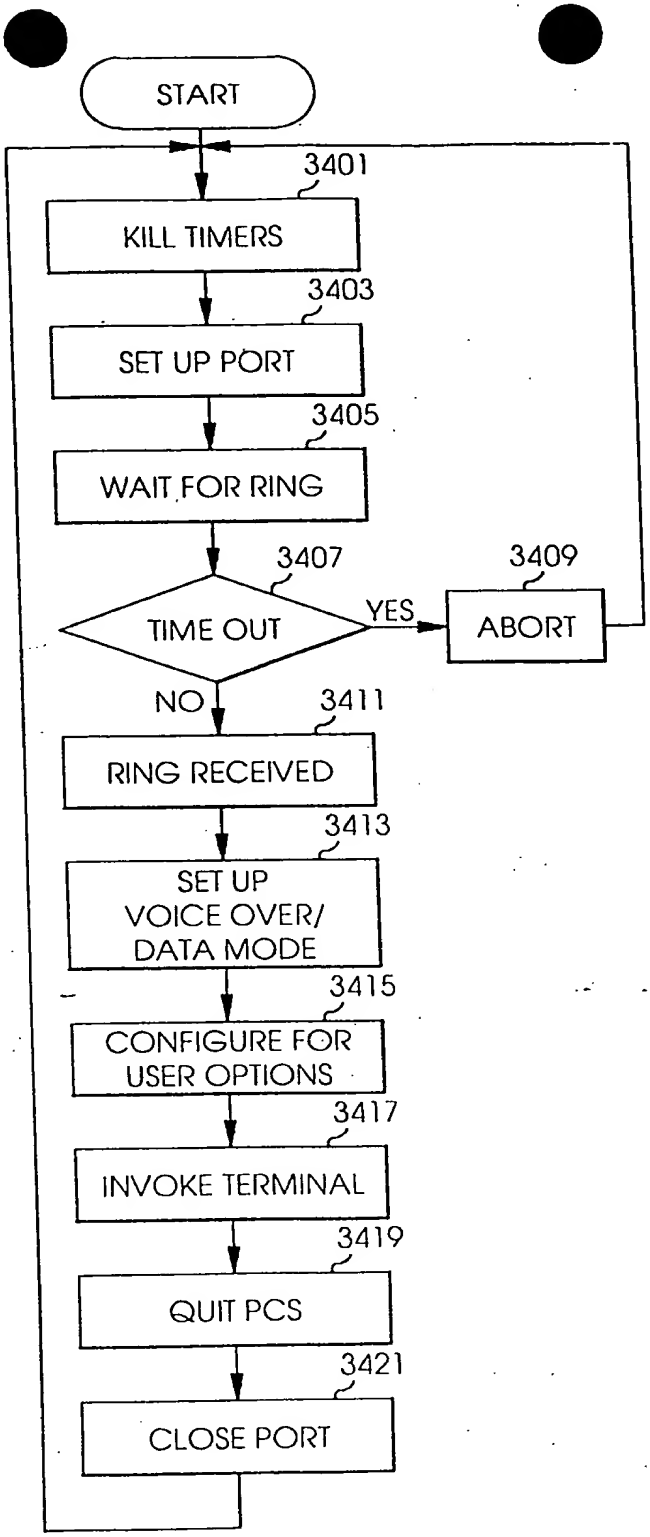

START
3401
KILL TIMERS
3403
SET UP PORT
3405
WAIT FOR RING
3407
TIME OUT
YES
3409
ABORT
NO
3411
RING RECEIVED
3413
SET UP VOICE OVER/ DATA MODE
3415
CONFIGURE FOR USER OPTIONS
3417
INVOKE TERMINAL
3419
QUIT PCS
3421
CLOSE PORT

FIG. 35

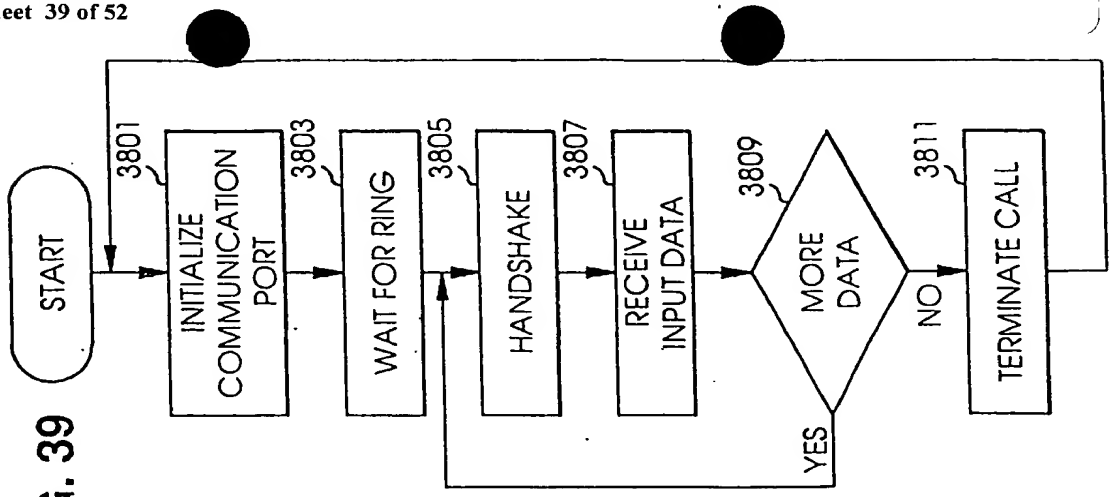


FIG. 39

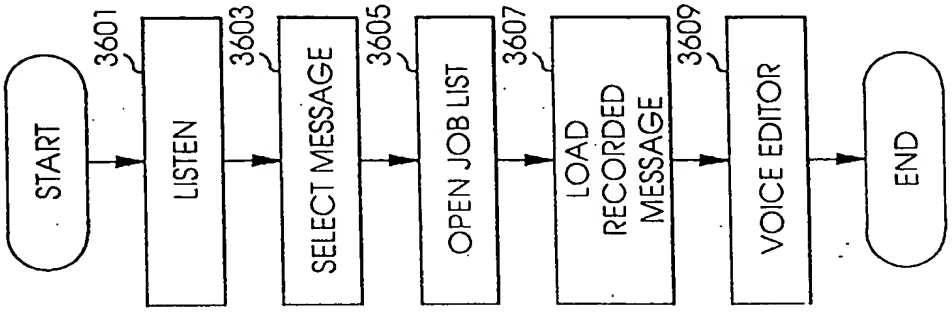


FIG. 37

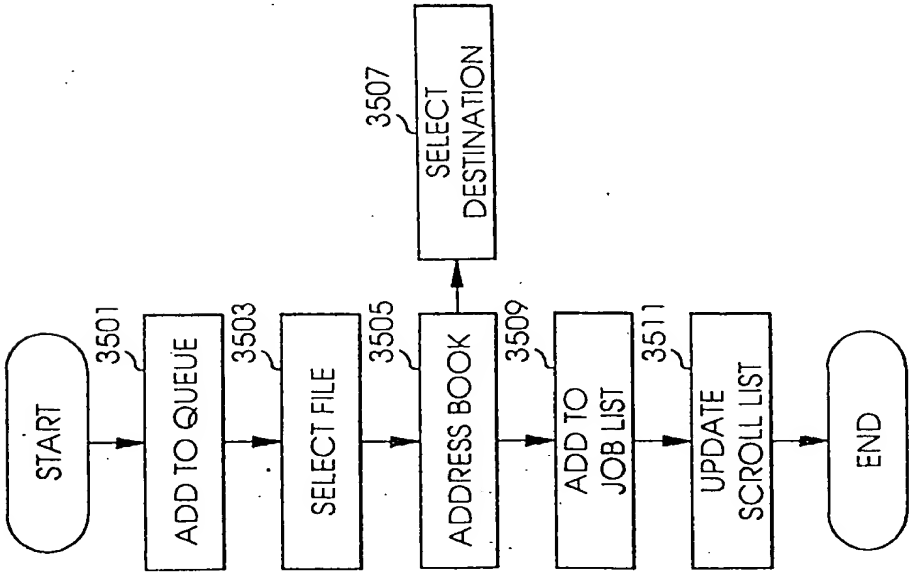


FIG. 36

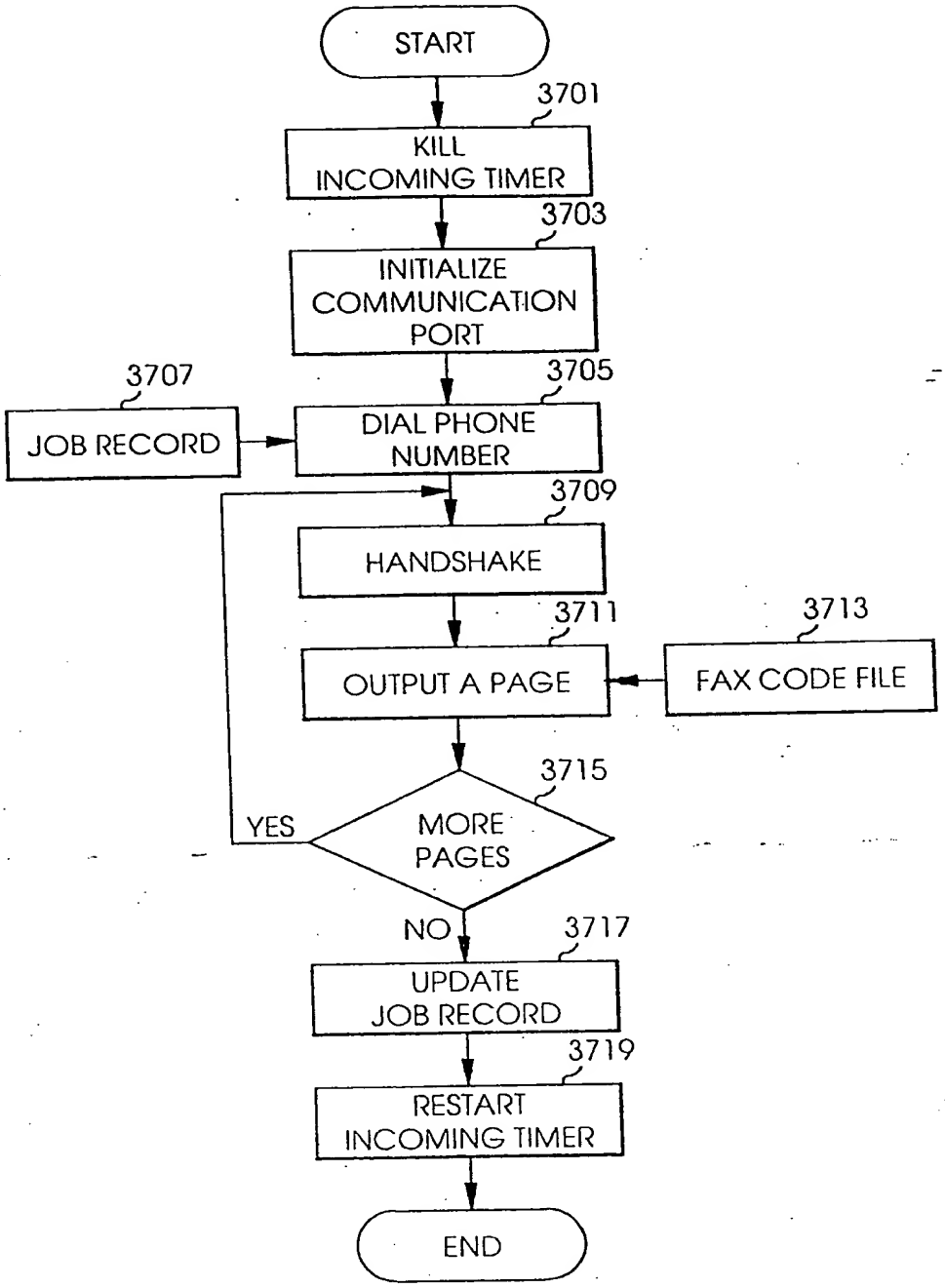

START
3701
KILL INCOMING TIMER
3703
INITIALIZE COMMUNICATION PORT
3707
JOB RECORD
3705
DIAL PHONE NUMBER
3709
HANDSHAKE
3711
OUTPUT A PAGE
3713
FAX CODE FILE
3715
YES
MORE PAGES
NO
3717
UPDATE JOB RECORD
3719
RESTART INCOMING TIMER
END

FIG. 38

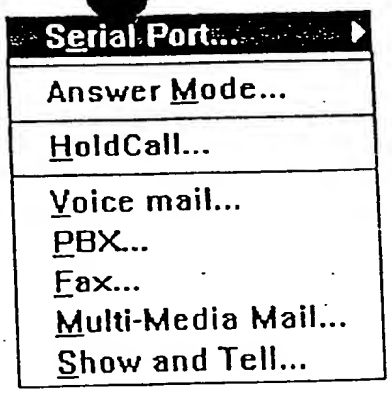


FIG. 40

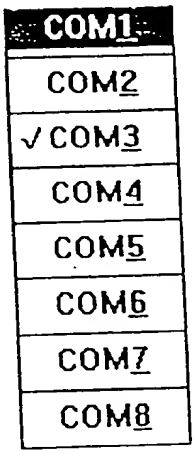


FIG. 41

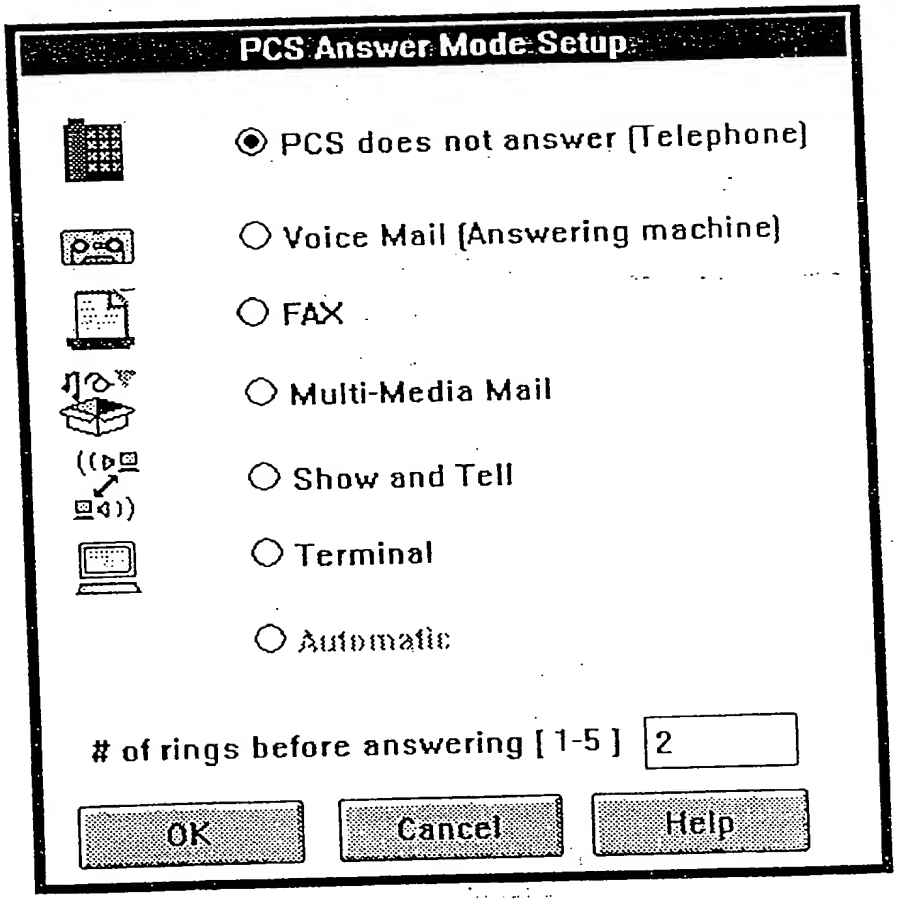


FIG. 42

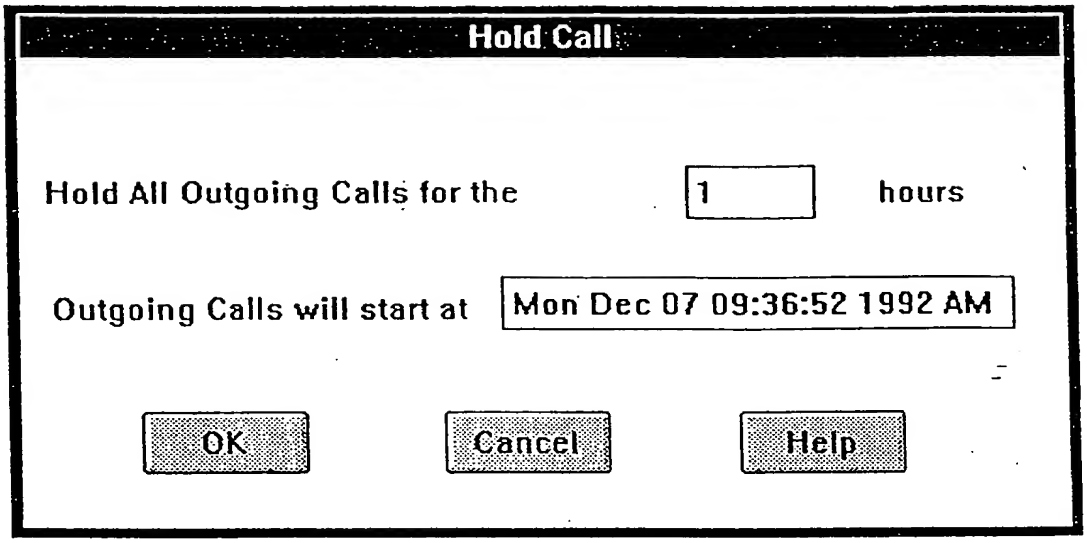

Hold Call
Hold All Outgoing Calls for the
1
hours
Outgoing Calls will start at
Mon Dec 07 09:36:52 1992 AM
OK
Cancel
Help

FIG. 44

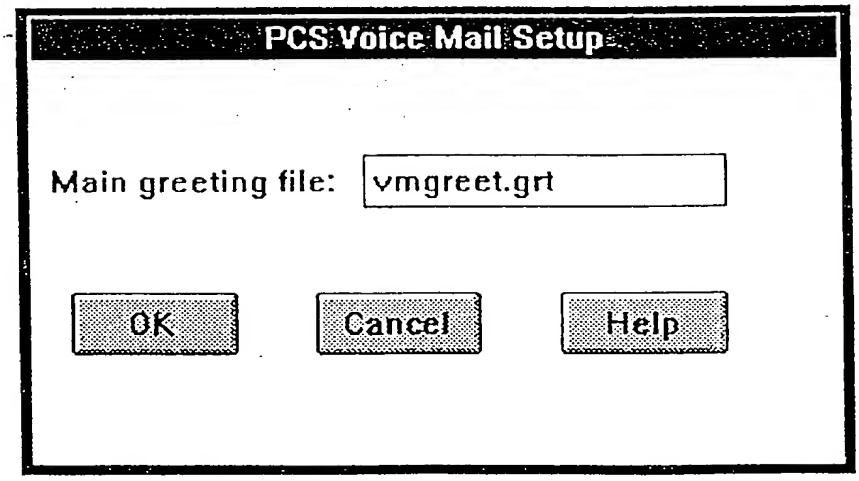

PCS Voice Mail Setup
Main greeting file:
vmgreet.grt
OK
Cancel
Help

FIG. 43

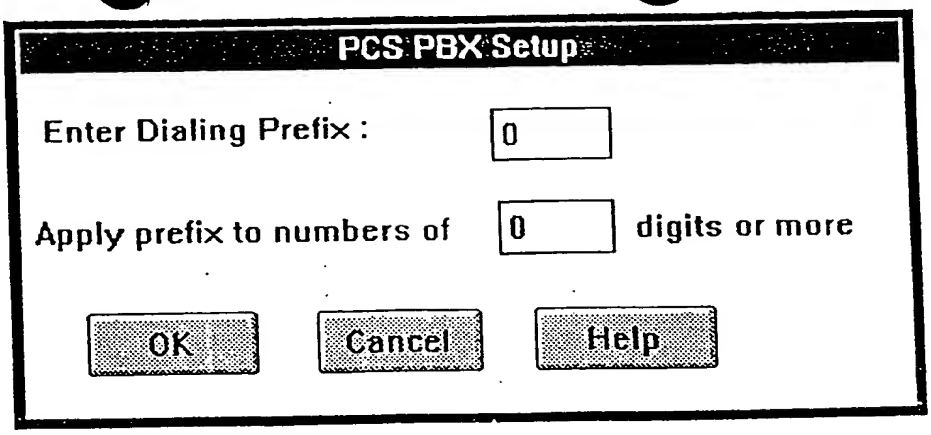


FIG. 45

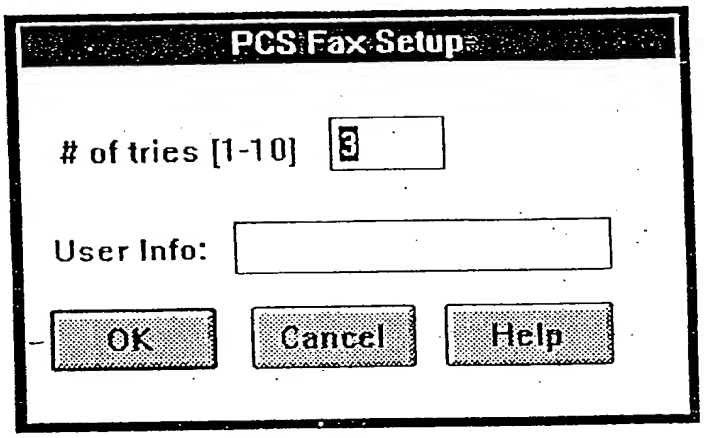


FIG. 46

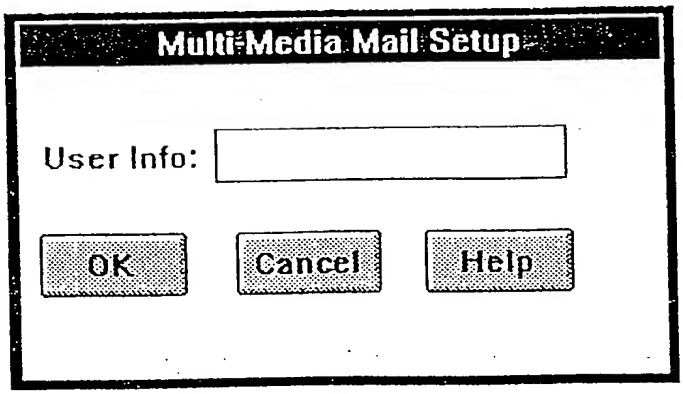


FIG. 47

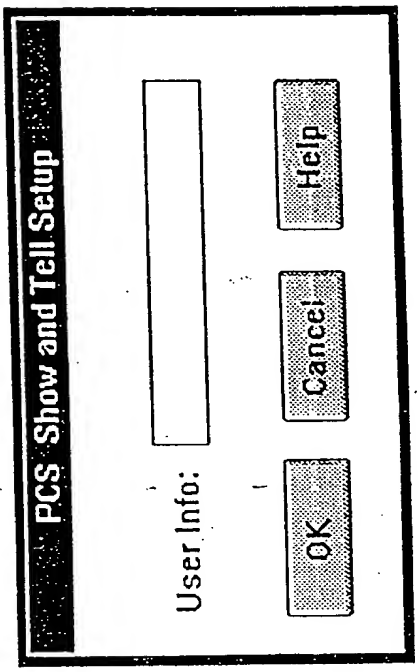

PCS Show and Tell Setup
User Info:
OK
Cancel
Help

FIG. 48

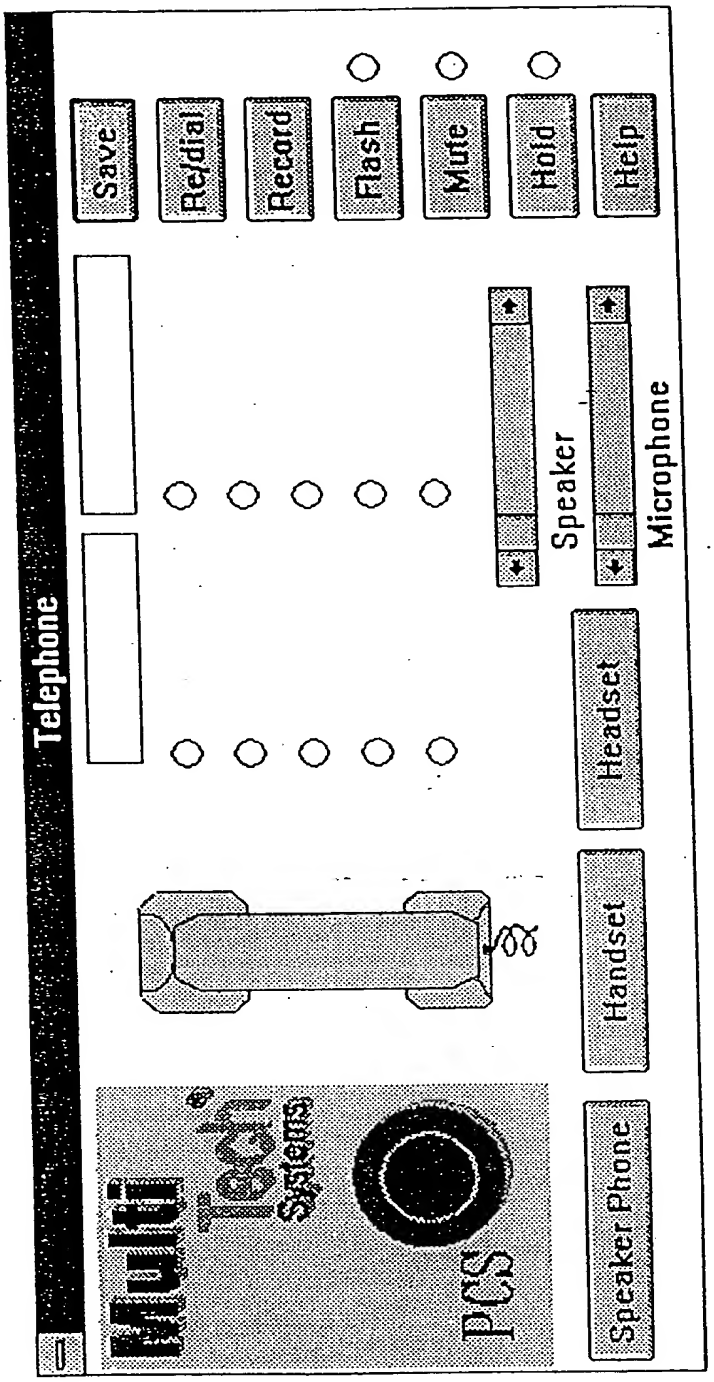

Telephone
Save
Redial
Record
Flash
Mute
Hold
Help
Speaker
Microphone
Headset
Handset
Speaker Phone
Multi
Tech
Systems
PCS

FIG. 49

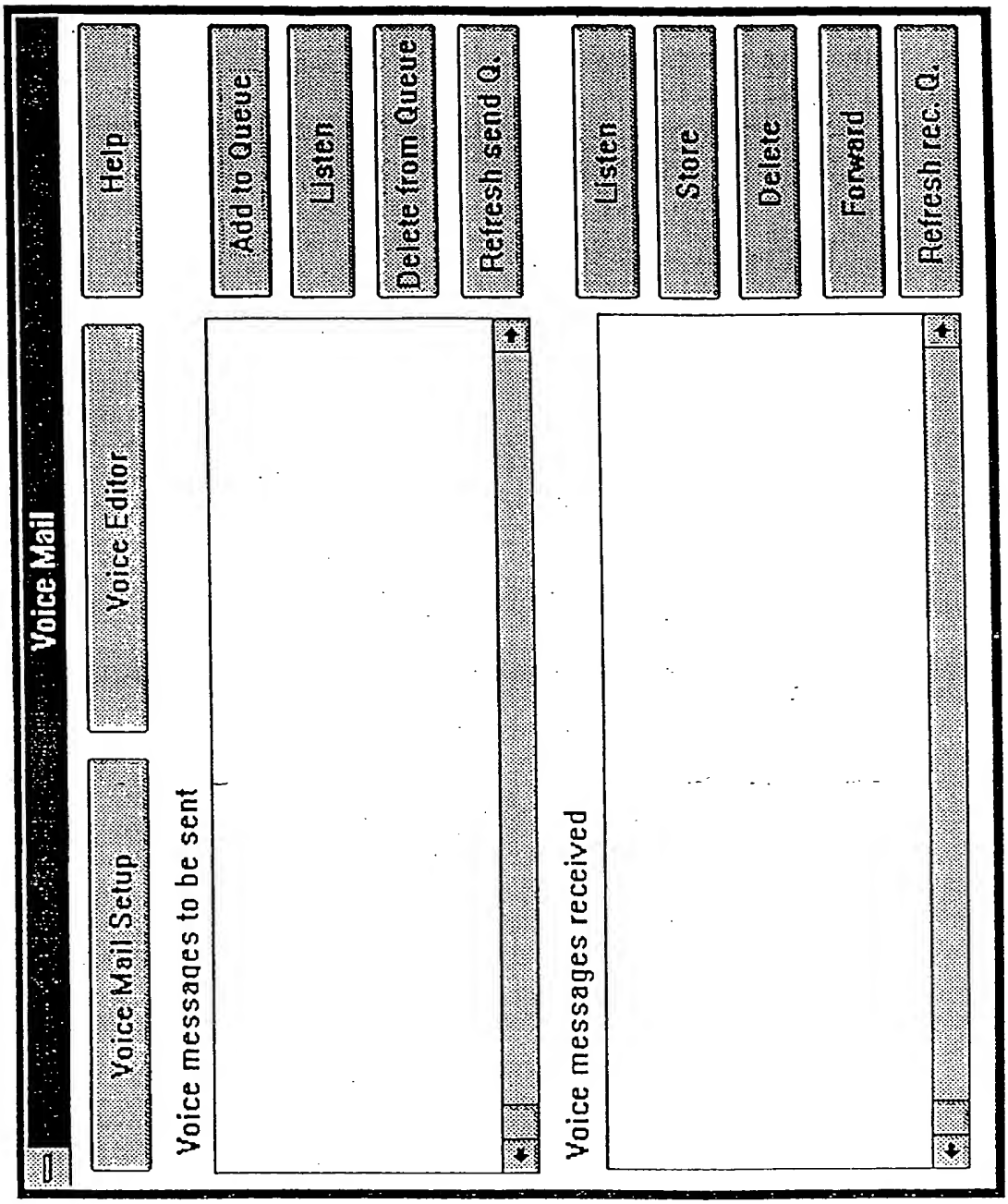

Voice Mail
Voice Mail Setup
Voice Editor
Help
Voice messages to be sent
Add to Queue
Listen
Delete from Queue
Refresh send Q.
Voice messages received
Listen
Store
Delete
Forward
Refresh rec. Q.

FIG. 50

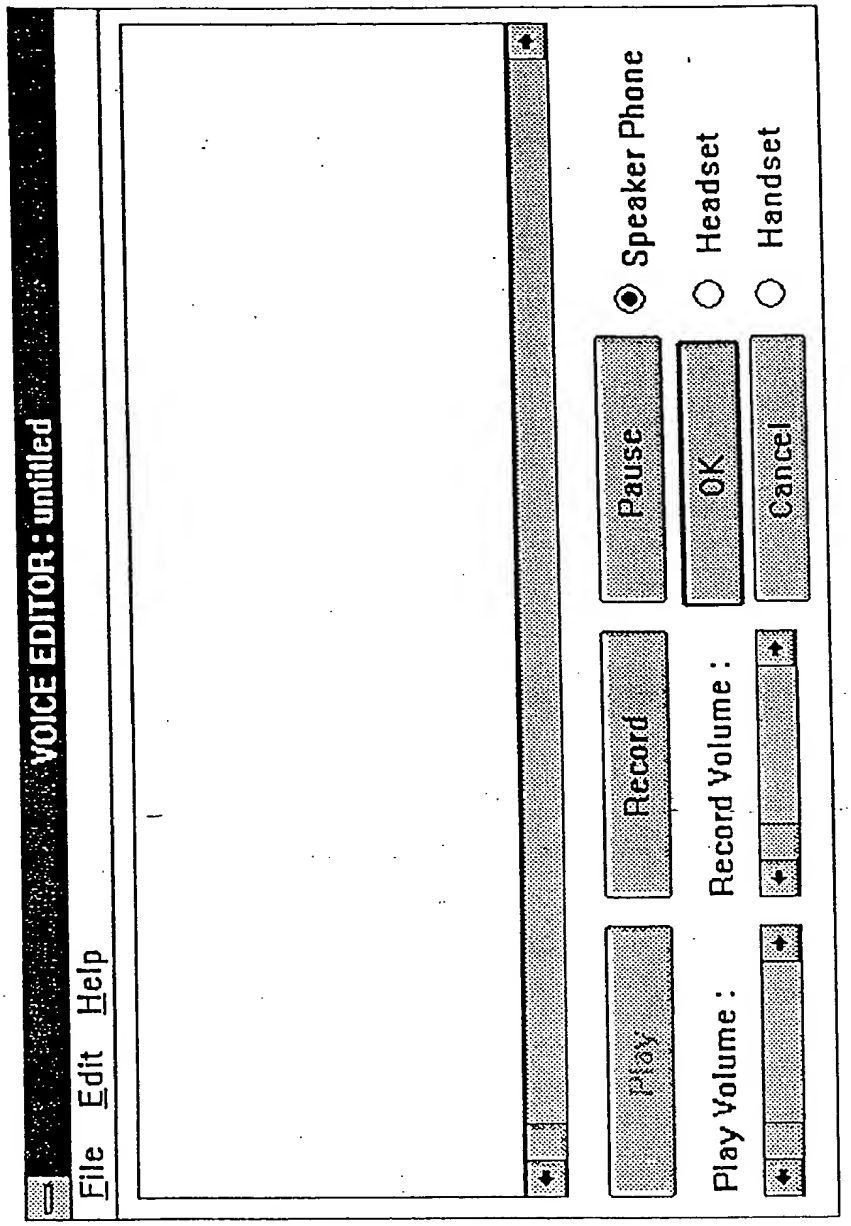

VOICE EDITOR : untitled
File Edit Help
Speaker Phone
Headset
Handset
Pause
OK
Cancel
Play
Record
Play Volume :
Record Volume :

FIG. 51

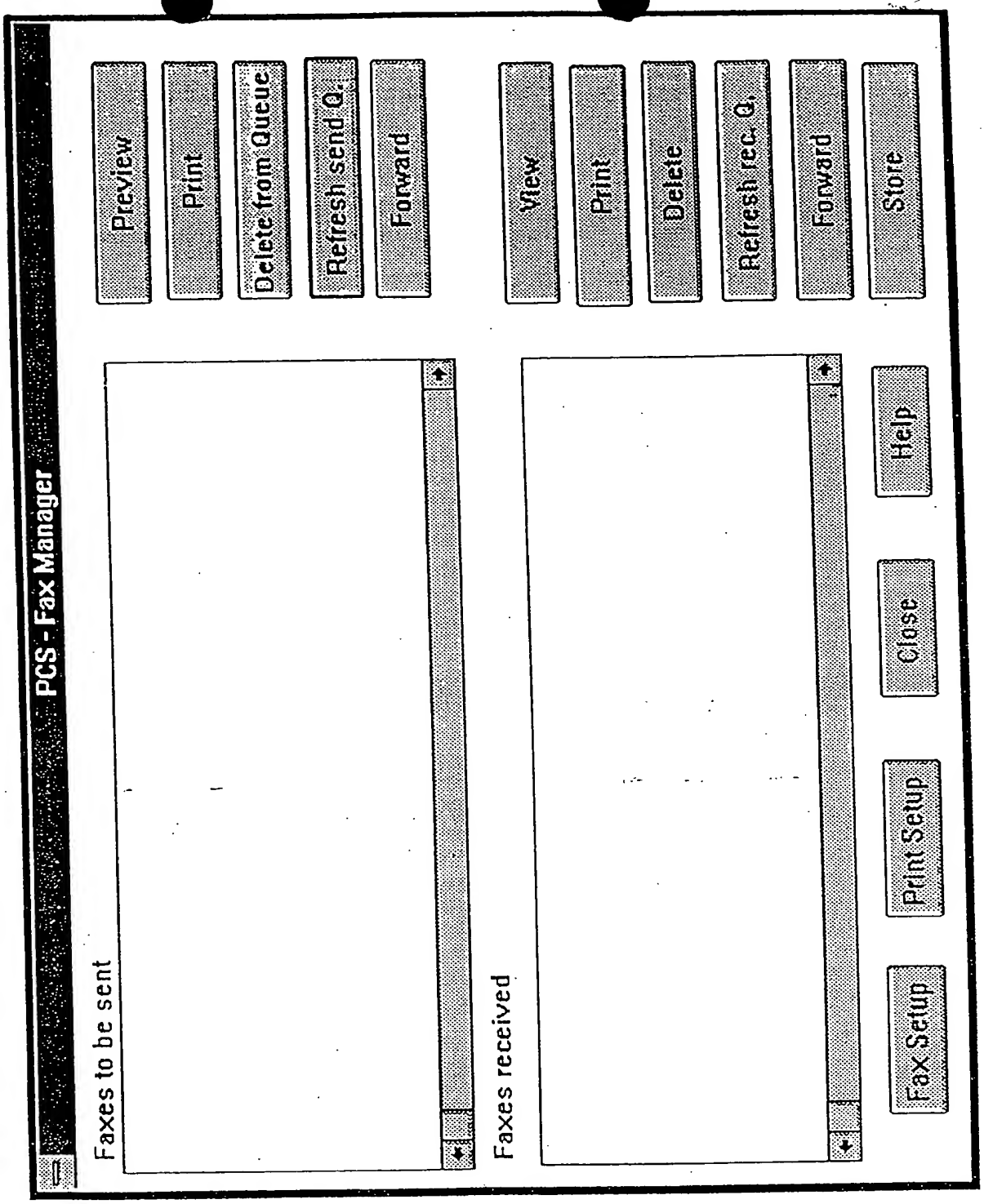

PCS - Fax Manager
Preview
Print
Delete from Queue
Refresh send Q
Forward
View
Print
Delete
Refresh rec. Q
Forward
Store
Faxes to be sent
Faxes received
Help
Close
Print Setup
Fax Setup

FIG. 52

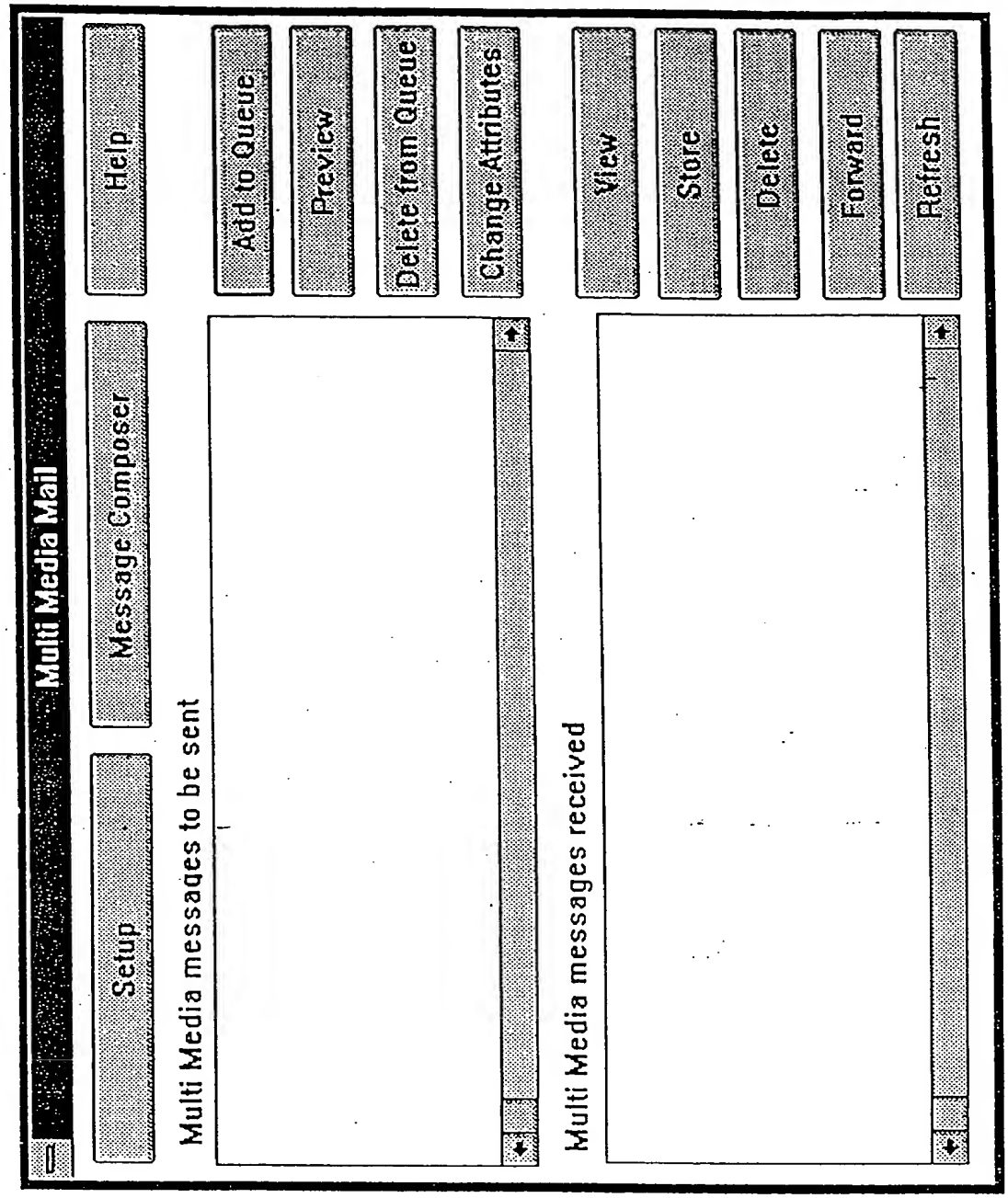

Multi Media Mail
Setup
Message Composer
Help
Add to Queue
Preview
Delete from Queue
Change Attributes
View
Store
Delete
Forward
Refresh
Multi Media messages to be sent
Multi Media messages received

FIG. 53

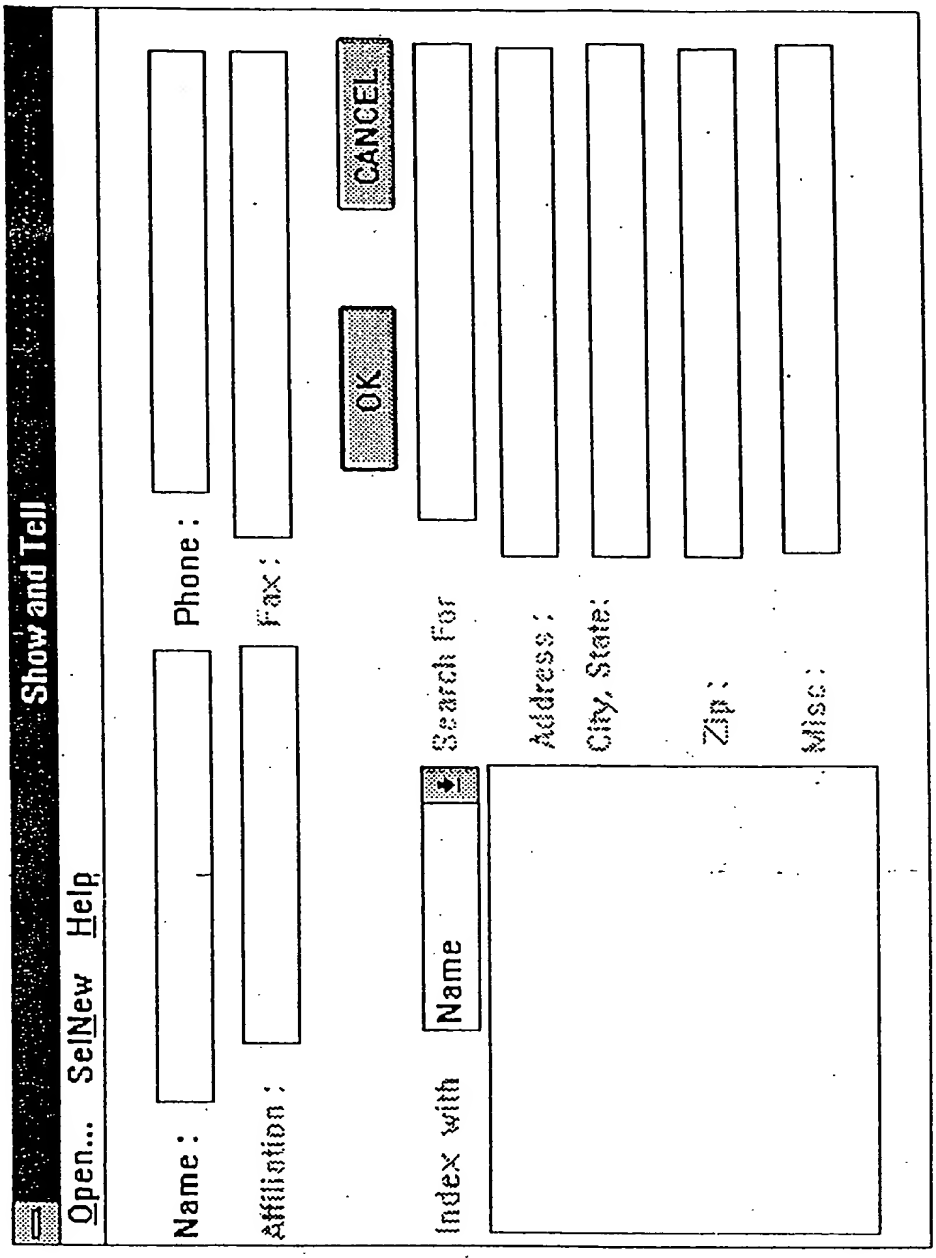

Show and Tell
Open... SelNew Help
Name :
Phone :
Affiliation :
Fax :
OK
CANCEL
Index with
Name
Search For
Address :
City, State:
Zip :
Misc :

FIG. 54

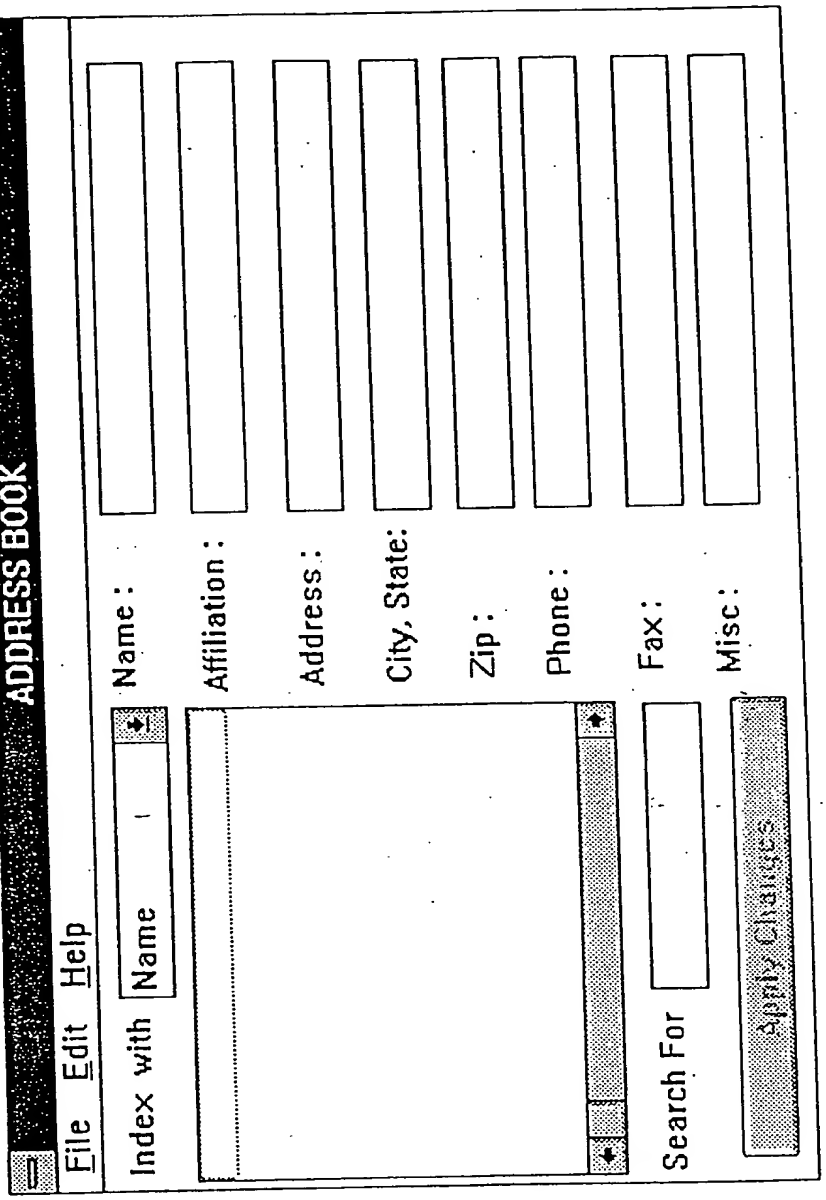

ADDRESS BOOK
File Edit Help
Index with
Name
Name :
Affiliation :
Address :
City, State:
Zip :
Phone :
Fax :
Misc :
Search For
Apply Changes

FIG. 55

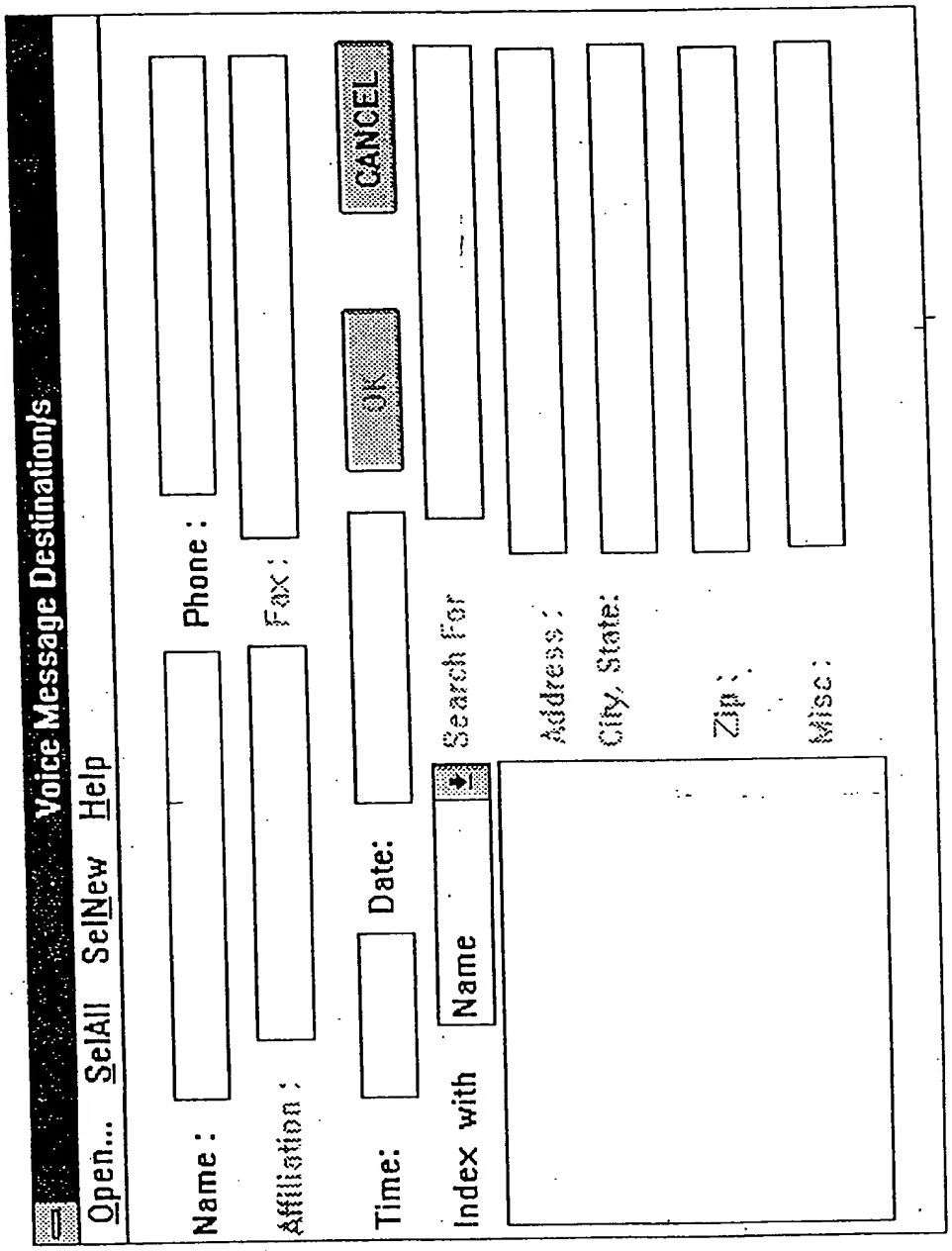

Voice Message Destination/s
Open... SelAll SelNew Help
Name :
Phone :
Affiliation :
Fax :
Time:
Date:
OK
CANCEL
Index with
Name
Search For
Address :
City, State:
Zip :
Misc :

FIG. 56

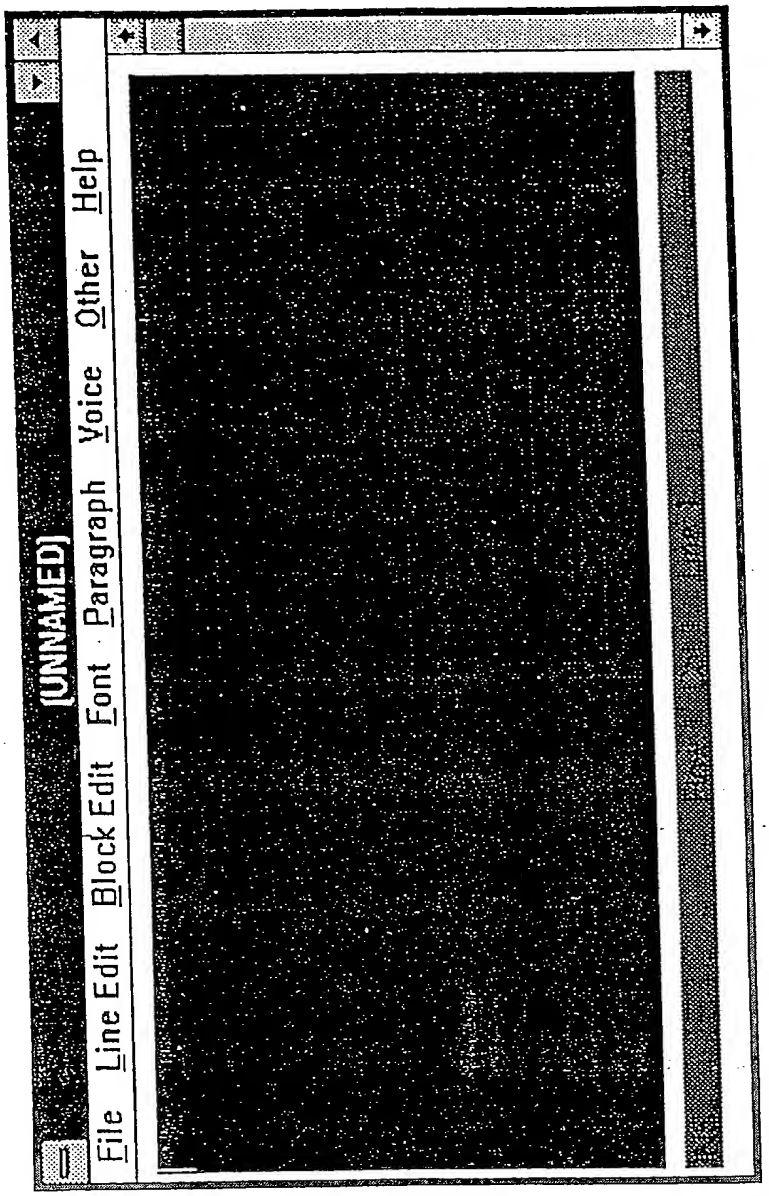

(UNNAMED)
File Line Edit Block Edit Font Paragraph Voice Other Help

FIG. 57